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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:27:41 ; Search time 15.5 Seconds  
(without alignments)  
49.961 Million cell updates/sec

Title: US-09-308-027A-142

Perfect score: 76

Sequence: 1 KLTSKGIASCLNDN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/ptodata/2/iaa/5A.COMB.pep.\*
- 2: /cgn2\_6/ptodata/2/iaa/5B.COMB.pep.\*
- 3: /cgn2\_6/ptodata/2/iaa/6A.COMB.pep.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B.COMB.pep.\*
- 5: /cgn2\_6/ptodata/2/iaa/PCTUS.COMB.pep.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	27	35.5	15	US-09-248-574A-4	Sequence 4, Appli
2	27	35.5	15	US-09-929-962-4	Sequence 4, Appli
3	27	35.5	15	US-09-503-632-4	Sequence 4, Appli
4	26.5	34.9	15	US-08-482-228-24	Sequence 24, Appl
5	26.5	34.9	15	US-08-482-528-24	Sequence 24, Appl
6	26	34.2	8	US-08-930-741-9	Sequence 9, Appli
7	26	34.2	11	US-08-633-148-6	Sequence 6, Appli
8	26	34.2	12	US-10-158-847-97	Sequence 97, Appl
9	26	34.2	14	US-09-823-823-77	Sequence 77, Appl
10	25	32.9	6	US-09-187-859-984	Sequence 984, App
11	25	32.9	6	US-09-187-859-2241	Sequence 2241, Ap
12	25	32.9	6	US-09-839-542B-984	Sequence 984, App
13	25	32.9	6	US-09-839-542B-2241	Sequence 2241, Ap
14	25	32.9	7	US-09-187-859-987	Sequence 987, App
15	25	32.9	7	US-09-187-859-2244	Sequence 2244, Ap
16	25	32.9	7	US-09-839-542B-987	Sequence 987, App
17	25	32.9	7	US-09-839-542B-2244	Sequence 2244, Ap
18	25	32.9	8	US-09-187-859-990	Sequence 990, App
19	25	32.9	8	US-09-187-859-2247	Sequence 2247, Ap
20	25	32.9	8	US-09-839-542B-990	Sequence 990, App
21	25	32.9	8	US-09-839-542B-2247	Sequence 2247, Ap
22	25	32.9	9	US-09-258-754-330	Sequence 330, App
23	25	32.9	9	US-09-042-107-330	Sequence 330, App
24	25	32.9	9	US-09-722-250D-330	Sequence 330, App
25	25	32.9	10	US-09-443-199C-1219	Sequence 1219, Ap
26	25	32.9	11	US-08-326-352-1	Sequence 1, Appli
27	25	32.9	11	US-08-404-607-1	Sequence 1, Appli

28 25 32.9 13 6 5200320-38  
29 25 32.9 14 5 PCT-US93-06751-77  
30 25 32.9 15 6 5196511-25  
31 24 31.6 8 1 US-08-329-820-203  
32 24 31.6 9 1 US-08-214-650-20  
33 24 31.6 9 1 US-08-329-820-205  
34 24 31.6 10 1 US-08-329-820-208  
35 24 31.6 10 2 US-08-350-260A-483  
36 24 31.6 10 4 US-09-104-337A-483  
37 24 31.6 11 1 US-08-179-481-10  
38 24 31.6 11 1 US-08-329-820-212  
39 24 31.6 11 4 US-09-380-836-13  
40 24 31.6 11 4 US-09-380-836-15  
41 24 31.6 12 1 US-08-329-820-213  
42 24 31.6 12 2 US-08-564-063-7  
43 24 31.6 12 4 US-09-224-048A-10  
44 24 31.6 13 1 US-08-329-820-214  
45 24 31.6 13 2 US-08-484-905-23

Patent No. 5200320  
Sequence 77, Appl  
Patent No. 5196511  
Sequence 203, Appl  
Sequence 20, Appl  
Sequence 208, App  
Sequence 205, App  
Sequence 483, App  
Sequence 483, App  
Sequence 10, Appl  
Sequence 212, Appl  
Sequence 13, Appl  
Sequence 15, Appl  
Sequence 213, App  
Sequence 7, Appl  
Sequence 10, Appl  
Sequence 214, App  
Sequence 23, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-248-574A-4

; Sequence 4, Application US/09248574A

; Patent No. 6303321

; GENERAL INFORMATION:

; APPLICANT: Tracey, Kevin. et al.

; TITLE OF INVENTION: Antagonists of HMGI for Treating Inflammatory Conditions

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: DAVIS WRIGHT TREMAINE

; STREET: 1501 Fourth Avenue 2600 Century Square

; CITY: Seattle

; STATE: Washington

; COUNTRY: U.S.A.

; ZIP: 98101

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: PC compatible

; OPERATING SYSTEM: Windows95

; SOFTWARE: Word

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/248,574A

; FILING DATE: 11 February 1999

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: Oster, Jeffrey B.

; REGISTRATION NUMBER: 32,585

; REFERENCE/DOCKET NUMBER: 1201

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 206 628 7711

; TELEFAX: 206 628 7699

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 15

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: unknown

; MOLECULE TYPE: HMGI N terminus

US-09-248-574A-4

Query Match 35.5%; Score 27; DB 4; Length 15;  
Best Local Similarity 50.0%; Pred. No. 1.5e+02;  
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 KLTSKGIASC 11

Db 6 KKPRGKSSC 15

##### RESULT 2

```

US-09-929-962-4
; Sequence 4, Application US/09929962
; Patent No. 648223
; GENERAL INFORMATION:
; APPLICANT: Tracey, Kevin, et al.
; TITLE OF INVENTION: Antagonists of HMGI for Treating Inflammatory
; Conditions
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVIS WRIGHT TREMAINE
; STREET: 1501 Fourth Avenue 2600 Century Square
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: PC compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/929,962
; FILING DATE: 15-AUG-2001
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/248,574
; FILING DATE: 11 February 1999
; ATTORNEY/AGENT INFORMATION:
; NAME: Oster, Jeffrey B.
; REGISTRATION NUMBER: 32,585
; REFERENCE/DOCKET NUMBER: 1201
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206 628 7711
; TELEFAX: 206 628 7699
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: HMGI N terminus
; QUERY MATCH 35.5%; Score 27; DB 4; Length 15;
; Best Local Similarity 50.0%; Pred. No. 1.5e+02;
; Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 KLTSKGIASC 11
Db 6 KKPRGKMSSC 15

RESULT 3
US-09-503-632-4
; Sequence 4, Application US/09503632
; Patent No. 6468533
; GENERAL INFORMATION:
; APPLICANT: THE PICOWER INSTITUTE FOR MEDICAL RESEARCH
; TITLE OF INVENTION: Antagonists of HMGI for Treating
; Inflammatory Conditions
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVIS WRIGHT TREMAINE
; STREET: 1501 Fourth Avenue 2600 Century Square
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: PC compatible
; OPERATING SYSTEM: Windows95
; QUERY MATCH 35.5%; Score 27; DB 4; Length 15;
; Best Local Similarity 50.0%; Pred. No. 1.5e+02;
; Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 KLTSKGIASC 11
Db 6 KKPRGKMSSC 15

RESULT 4
US-08-482-228-24
; Sequence 24, Application US/08482228
; Patent No. 5968753
; GENERAL INFORMATION:
; APPLICANT: Tseng-Law, Janet
; APPLICANT: Kobori, Joan A.
; APPLICANT: Al-Abdaly, Fahad A.
; APPLICANT: Guillermo, Roy
; APPLICANT: Helgeson, Sam L.
; APPLICANT: Deans, Robert J.
; TITLE OF INVENTION: POSITIVE AND POSITIVE/NEGATIVE CELL
; SELECTION MEDIATED BY PEPTIDE RELEASE
; NUMBER OF SEQUENCES: 215
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janice Guthrie, Ph.D.
; STREET: P.O. Box 15210
; CITY: Irvine
; STATE: California
; COUNTRY: USA
; ZIP: 92713-5210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482,228
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Guthrie, Janice
; REGISTRATION NUMBER: 35,170
; REFERENCE/DOCKET NUMBER: IT-4630CIF3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (714) 440-5353
; TELEFAX: (714) 553-1952
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

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US-08-482-228-24

Query Match 34.9%; Score 26.5; DB 2; Length 15;  
Best Local Similarity 46.7%; Pred. No. 1.9e+02;  
Matches 7; Conservative 1; Mismatches 4; Indels 3; Gaps 1;

Qy 1 LKLTSGKIASCLNDN 15  
:|||||---ICLEQN 13  
Db 2 VKLTQG---ICLEQN 13

RESULT 5

US-08-482-528-24  
; Sequence 24, Application US/08482528  
; Patent No. 6017719  
; GENERAL INFORMATION:  
; APPLICANT: Tseng-Law, Janet  
; APPLICANT: Kobori, Joan A.  
; APPLICANT: Al-Abdaly, Fahad A.  
; APPLICANT: Guillermo, Roy  
; APPLICANT: Helgeson, Sam L.  
; APPLICANT: Deans, Robert J.  
; TITLE OF INVENTION: POSITIVE AND POSITIVE/NEGATIVE CELL  
; TITLE OF INVENTION: SELECTION MEDIATED BY PEPTIDE RELEASE  
; NUMBER OF SEQUENCES: 215  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Janice Guthrie, Ph.D.  
; STREET: P.O. Box 15210  
; CITY: Irvine  
; STATE: California  
; COUNTRY: USA  
; ZIP: 92713-5210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/482,528  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Guthrie, Janice  
; REGISTRATION NUMBER: 35,170  
; REFERENCE/DOCKET NUMBER: IT-4630CIP4  
; TELEPHONE: (714) 440-5353  
; TELEFAX: (714) 553-1952  
; INFORMATION FOR SEQ ID NO: 24:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-482-528-24

Query Match 34.9%; Score 26.5; DB 3; Length 15;  
Best Local Similarity 46.7%; Pred. No. 1.9e+02;  
Matches 7; Conservative 1; Mismatches 4; Indels 3; Gaps 1;

Qy 1 LKLTSGKIASCLNDN 15  
:|||||---ICLEQN 13  
Db 2 VKLTQG---ICLEQN 13

RESULT 6

US-08-930-741-9  
; Sequence 9, Application US/08930741  
; Patent No. 6034064  
; GENERAL INFORMATION:  
; APPLICANT: Yamagata, No. 6034064yuyuki  
; APPLICANT: Ogata, Kenji  
; APPLICANT: Wagatsuma, Masako

APPLICANT: Takanashi, Hitoshi  
; TITLE OF INVENTION: Peptide and Therapeutic Agent for  
; TITLE OF INVENTION: Autoimmune Diseases Containing the Same  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
; ADDRESSEE: Dunner L.L.P.  
; STREET: 1300 I Street, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-3315  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/930,741  
; FILING DATE:  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jensen, Allen R  
; REGISTRATION NUMBER: 28,224  
; REFERENCE/DOCKET NUMBER: 02481.1560-00000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 408-4000  
; TELEFAX: (202) 408-4400  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-930-741-9

Query Match 34.2%; Score 26; DB 3; Length 8;  
Best Local Similarity 83.3%; Pred. No. 3e+05;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 KLTSGK 7  
:|||||  
Db 2 KLTACK 7

RESULT 7

US-08-633-148-6  
; Sequence 6, Application US/08633148  
; Patent No. 5864018  
; GENERAL INFORMATION:  
; APPLICANT: MORSE, MICHAEL J.  
; APPLICANT: NAGASHIMA, MARIKO  
; APPLICANT: HOLLANDER, MORIS A.  
; TITLE OF INVENTION: ANTIBODIES TO ADVANCED GLYCOSYLATION  
; TITLE OF INVENTION: END-PRODUCT RECEPTOR POLYPEPTIDES AND USES THEREFOR  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TOWNSEND & TOWNSEND & CREW LLP  
; STREET: TWO EMBARCADERO CENTER, 8TH FLOOR  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: U.S.A.  
; ZIP: 94111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/633,148  
; FILING DATE: 16-APR-1996  
; CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
NAME: MURPHY ESQ., MATTHEW B.  
REGISTRATION NUMBER: 39,787  
REFERENCE/DOCKET NUMBER: 014618-00560005  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-633-148-6

Query Match 34.2%; Score 26; DB 2; Length 11;  
Best Local Similarity 40.0%; Pred. No. 1.6e+02;  
Matches 4; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 KLTSGKIASC 11  
||:|:|  
DB 2 KLTGRTTEAC 11

RESULT 8  
US-10-158-847-97  
; Sequence 97, Application US/10158847  
; Patent No. 652865  
; GENERAL INFORMATION:  
; APPLICANT: Tcm Parry et al.  
; TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity  
; FILE REFERENCE: PF557  
; CURRENT APPLICATION NUMBER: US/10/158,847  
; CURRENT FILING DATE: 2002-05-03  
; PRIOR APPLICATION NUMBER: 60/295,004  
; PRIOR FILING DATE: 2001-06-04  
; NUMBER OF SEQ ID NOS: 158  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 97  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-158-847-97

Query Match 34.2%; Score 26; DB 4; Length 12;  
Best Local Similarity 80.0%; Pred. No. 1.8e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15  
||||:  
DB 4 CLNDD 8

RESULT 9  
US-09-823-823-77  
; Sequence 77, Application US/09823823  
; Patent No. 6635904  
; GENERAL INFORMATION:  
; APPLICANT: Yamamoto, Satoshi  
; APPLICANT: Kasai, Hiroaki  
; APPLICANT: Nakamura, Shoko  
; APPLICANT: Suzuki, Makoto  
; APPLICANT: Hamada, Tohru  
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION AND DETECTION OF MICROORGANISMS USING  
; FILE REFERENCE: 12817-004001  
; CURRENT APPLICATION NUMBER: US/09/823,823  
; CURRENT FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: US 09/208,688  
; PRIOR FILING DATE: 1998-12-10  
; PRIOR APPLICATION NUMBER: JP 97/343316  
; PRIOR FILING DATE: 1997-12-12

NUMBER OF SEQ ID NOS: 80  
; SOFTWARE: PatentIn version 2.0  
; SEQ ID NO 77  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Xaa at position 9 = Ser or Gln; Xaa at position 10 = Ser or Glu;  
; OTHER INFORMATION: position 11 = Lys or Arg; Xaa at position 14 = Ala or Ser  
US-09-823-823-77

Query Match 34.2%; Score 26; DB 4; Length 14;  
Best Local Similarity 66.7%; Pred. No. 2.1e+02;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 KGIASC 11  
||:|:|  
DB 3 GKLAAC 8

RESULT 10  
US-09-187-859-984  
; Sequence 984, Application US/09187859A  
; Patent No. 6358920  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Gour, Barbara J.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL  
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS  
; FILE REFERENCE: 100086.407C1  
; CURRENT APPLICATION NUMBER: US/09/187,859A  
; CURRENT FILING DATE: 1998-11-06  
; NUMBER OF SEQ ID NOS: 4052  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 984  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Representative cyclic modulating agent based on  
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence  
US-09-187-859-984

Query Match 32.9%; Score 25; DB 4; Length 6;  
Best Local Similarity 60.0%; Pred. No. 3e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15  
||:|:|  
DB 1 CINEN 5

RESULT 11  
US-09-187-859-2241  
; Sequence 2241, Application US/09187859A  
; Patent No. 6358920  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Gour, Barbara J.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL  
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS  
; FILE REFERENCE: 100086.407C1  
; CURRENT APPLICATION NUMBER: US/09/187,859A  
; CURRENT FILING DATE: 1998-11-06  
; NUMBER OF SEQ ID NOS: 4052  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2241  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Representative cyclic modulating agent based on  
; OTHER INFORMATION: T-cadherin cell adhesion recognition sequence



US-09-187-859-2241

Query Match 32.9%; Score 25; DB 4; Length 6;  
Best Local Similarity 60.0%; Pred. No. 3e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15  
|:|:|  
Db 1 CINEN 5

RESULT 12

US-09-839-542B-984  
; Sequence 984, Application US/09839542B  
; Patent No. 6569996  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Symonds, James Matthew  
; APPLICANT: Gour, Barbara J.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL  
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS  
; FILE REFERENCE: 100086.407D1  
; CURRENT APPLICATION NUMBER: US/09/839,542B  
; CURRENT FILING DATE: 2001-04-20  
; NUMBER OF SEQ ID NOS: 4052  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 984  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Representative cyclic modulating agent based on  
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence  
US-09-839-542B-984

Query Match 32.9%; Score 25; DB 4; Length 6;  
Best Local Similarity 60.0%; Pred. No. 3e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15  
|:|:|  
Db 1 CINEN 5

RESULT 13

US-09-839-542B-2241  
; Sequence 2241, Application US/09839542B  
; Patent No. 6569996  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Symonds, James Matthew  
; APPLICANT: Gour, Barbara J.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL  
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS  
; FILE REFERENCE: 100086.407D1  
; CURRENT APPLICATION NUMBER: US/09/839,542B  
; CURRENT FILING DATE: 2001-04-20  
; NUMBER OF SEQ ID NOS: 4052  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2241  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Representative cyclic modulating agent based on  
; OTHER INFORMATION: T-cadherin cell adhesion recognition sequence  
US-09-839-542B-2241

Query Match 32.9%; Score 25; DB 4; Length 6;  
Best Local Similarity 60.0%; Pred. No. 3e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15

Db |:|:|  
1 CINEN 5

RESULT 14

US-09-187-859-987  
; Sequence 987, Application US/09187859A  
; Patent No. 6358920  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Gour, Barbara J.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL  
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS  
; FILE REFERENCE: 100086.407C1  
; CURRENT APPLICATION NUMBER: US/09/187,859A  
; CURRENT FILING DATE: 1998-11-06  
; NUMBER OF SEQ ID NOS: 4052  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 987  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Representative cyclic modulating agent based on  
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence  
US-09-187-859-987

Query Match 32.9%; Score 25; DB 4; Length 7;  
Best Local Similarity 60.0%; Pred. No. 3e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15  
|:|:|  
Db 1 CINEN 5

RESULT 15

US-09-187-859-2244  
; Sequence 2244, Application US/09187859A  
; Patent No. 6358920  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Gour, Barbara J.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL  
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS  
; FILE REFERENCE: 100086.407C1  
; CURRENT APPLICATION NUMBER: US/09/187,859A  
; CURRENT FILING DATE: 1998-11-06  
; NUMBER OF SEQ ID NOS: 4052  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2244  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Representative cyclic modulating agent based on  
; OTHER INFORMATION: T-cadherin cell adhesion recognition sequence  
US-09-187-859-2244

Query Match 32.9%; Score 25; DB 4; Length 7;  
Best Local Similarity 60.0%; Pred. No. 3e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15  
|:|:|  
Db 1 CINEN 5

Search completed: April 29, 2004, 10:35:27  
Job time : 15.5 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 10:34:14 ; Search time 36.5 Seconds  
(without alignments)  
113.914 Million cell updates/sec

Title: US-09-308-027A-142

Perfect score: 76

Sequence: 1 LKLTSGKIASCLNDN 15

Scoring table: BL0SUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications RA:\*

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4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Query	Score	Match	Length	ID	Description
1	76	100.0	15	14	US-10-354-240-153	Sequence 153, App
2	54	71.1	10	14	US-10-216-484-46	Sequence 46, Appl
3	54	71.1	10	14	US-10-384-933-46	Sequence 46, Appl
4	54	71.1	15	14	US-10-354-240-154	Sequence 154, App
5	45	59.2	12	14	US-10-354-240-6	Sequence 6, Appl
6	45	59.2	15	14	US-10-354-240-152	Sequence 152, App
7	34	44.7	10	9	US-09-780-053-209	Sequence 209, App
8	31	40.8	15	14	US-10-354-240-155	Sequence 155, App
9	29	38.2	10	9	US-09-780-053-478	Sequence 498, App
10	29	38.2	10	9	US-09-780-053-578	Sequence 578, App
11	29	38.2	10	9	US-09-780-053-703	Sequence 703, App
12	29	38.2	14	10	US-09-991-225-59	Sequence 59, Appl
13	29	38.2	14	10	US-09-991-225-71	Sequence 71, Appl
14	29	38.2	14	12	US-10-369-405-59	Sequence 59, Appl
15	29	38.2	14	12	US-10-369-405-71	Sequence 71, Appl

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16 27 35.5 9 15 US-10-448-521-41 Sequence 41, Appl
17 27 35.5 9 15 US-10-448-521-42 Sequence 42, Appl
18 27 35.5 10 10 US-09-573-822C-121 Sequence 121, Appl
19 27 35.5 14 10 US-09-991-225-26 Sequence 26, Appl
20 27 35.5 14 10 US-09-991-225-45 Sequence 45, Appl
21 27 35.5 14 12 US-10-369-405-26 Sequence 26, Appl
22 27 35.5 14 12 US-10-369-405-45 Sequence 45, Appl
23 27 35.5 14 15 US-10-285-394-174 Sequence 174, App
24 27 35.5 15 12 US-10-210-747-4 Sequence 4, Appl
25 27 35.5 15 14 US-10-300-088-4 Sequence 4, Appl
26 26 34.2 9 9 US-09-780-053-663 Sequence 663, App
27 26 34.2 10 9 US-09-780-053-104 Sequence 104, App
28 26 34.2 10 9 US-09-780-053-495 Sequence 495, App
29 26 34.2 10 9 US-09-780-053-611 Sequence 611, App
30 26 34.2 10 9 US-09-780-053-683 Sequence 683, App
31 26 34.2 10 9 US-09-780-053-714 Sequence 714, App
32 26 34.2 10 10 US-09-572-404B-197 Sequence 197, App
33 26 34.2 12 14 US-10-158-847-97 Sequence 97, Appl
34 26 34.2 12 14 US-10-158-825-57 Sequence 97, Appl
35 26 34.2 12 14 US-10-231-417-607 Sequence 607, App
36 26 34.2 13 14 US-10-133-172-18 Sequence 18, Appl
37 26 34.2 14 9 US-09-823-829-77 Sequence 77, Appl
38 26 34.2 14 9 US-09-823-823-77 Sequence 77, Appl
39 26 34.2 14 13 US-10-082-815-19 Sequence 19, Appl
40 25 32.9 6 14 US-10-006-869-984 Sequence 984, App
41 25 32.9 6 14 US-10-006-869-2241 Sequence 2241, App
42 25 32.9 6 15 US-10-395-032-984 Sequence 984, App
43 25 32.9 6 15 US-10-395-032-2241 Sequence 2241, App
44 25 32.9 7 14 US-10-006-869-987 Sequence 987, App
45 25 32.9 7 14 US-10-006-869-2244 Sequence 2244, App
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#### ALIGNMENTS

#### RESULT 1

```
US-10-354-240-153
; Sequence 153, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiho
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 153
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 70
US-10-354-240-153
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Query Match 100.0%; Score 76; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 1.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LKLTSGKIASCLNDN 15

DB 1 LKLTSGKIASCLNDN 15

## RESULT 2

US-10-216-484-46  
; Sequence 46, Application US/10216484  
; Publication No. US20030103976A1  
; GENERAL INFORMATION:  
; APPLICANT: Serizawa, No. US20030103976A1ufusa  
; APPLICANT: Haryuyama, Hideyuki  
; APPLICANT: Nakahara, Kaori  
; APPLICANT: Tamaki, Ikuko  
; TITLE OF INVENTION: Anti-Fas Antibodies  
; FILE REFERENCE: 980126CIP/HG  
; CURRENT APPLICATION NUMBER: US/10/216,484  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: US/09/499,662  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US/09/53,583  
; PRIOR FILING DATE: 1998-04-01  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 46  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-216-484-46

Query Match 71.1%; Score 54; DB 14; Length 10;  
Best Local Similarity 100.0%; Pred. No. 0.0069;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GKIASCLNDN 15  
| | | | | | | | | |  
DB 1 GKIASCLNDN 10

## RESULT 3

US-10-384-933-46  
; Sequence 46, Application US/10384933  
; Publication No. US20030170817A1  
; GENERAL INFORMATION:  
; APPLICANT: Serizawa, No. US20030170817A1ufusa  
; APPLICANT: Haryuyama, Hideyuki  
; APPLICANT: Nakahara, Kaori  
; APPLICANT: Tamaki, Ikuko  
; TITLE OF INVENTION: Anti-Fas Antibodies  
; FILE REFERENCE: 980126CIP/HG  
; CURRENT APPLICATION NUMBER: US/10/384,933  
; CURRENT FILING DATE: 2003-02-05  
; PRIOR APPLICATION NUMBER: US/09/499,662  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01  
; NUMBER OF SEQ ID NOS: 165  
; SEQ ID NO 46  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-384-933-46

Query Match 71.1%; Score 54; DB 14; Length 10;  
Best Local Similarity 100.0%; Pred. No. 0.0069;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GKIASCLNDN 15  
| | | | | | | | | |  
DB 1 GKIASCLNDN 10

## RESULT 4

US-10-354-240-154  
; Sequence 154, Application US/10354240  
; Publication No. US20030185847A1

; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 154  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 71  
US-10-354-240-154

Query Match 71.1%; Score 54; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.011;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GKIASCLNDN 15  
| | | | | | | | | |  
DB 1 GKIASCLNDN 10

## RESULT 5

US-10-354-240-6  
; Sequence 6, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-10-354-240-6

Query Match 59.2%; Score 45; DB 14; Length 12;  
Best Local Similarity 100.0%; Pred. No. 0.33;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LKLTSGKIAS 10  
| | | | | | | | | |  
DB 3 LKLTSGKIAS 12

## RESULT 6

US-10-354-240-152  
; Sequence 152, Application US/10354240

Publication No. US20030185847A1  
 GENERAL INFORMATION:  
 APPLICANT: Sone, Toshio  
 APPLICANT: Kume, Akimori  
 APPLICANT: Dairiki, Kazuo  
 APPLICANT: Iwama, Akiko  
 APPLICANT: Kino, Kohsuke  
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
 FILE REFERENCE: SPO-103D1  
 CURRENT APPLICATION NUMBER: US/10/354,240  
 CURRENT FILING DATE: 2003-01-29  
 PRIOR APPLICATION NUMBER: PCT/JP97/00740  
 PRIOR FILING DATE: 1997-03-10  
 PRIOR APPLICATION NUMBER: US 09/142,524  
 PRIOR FILING DATE: 1998-09-09  
 NUMBER OF SEQ ID NOS: 174  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 152  
 LENGTH: 15  
 TYPE: PRT  
 ORGANISM: Cryptomeria japonica  
 FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (1)-(15)  
 OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 69  
 US-10-354-240-152

Query Match 59.2%; Score 45; DB 14; Length 15;  
 Best Local Similarity 100.0%; Pred. No. 0.43;  
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LKLTSGKIAS 10  
 DB 6 LKLTSGKIAS 15  
 |||||  
 |||||

## RESULT 7

US-09-780-053-209  
 Sequence 209, Application US/09780053  
 Patent No. US20020102640A1  
 GENERAL INFORMATION:  
 APPLICANT: Rene S. Hubert  
 APPLICANT: Daniel E.H. Afar  
 APPLICANT: Pia M. Challita-Bid  
 APPLICANT: Mary Paris  
 APPLICANT: Elana Levin  
 APPLICANT: Steve Chappell Mitchell  
 APPLICANT: Aya Jakobovits  
 TITLE OF INVENTION: 83P5G4: A TISSUE SPECIFIC PROTEIN  
 TITLE OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER  
 FILE REFERENCE: 129, SUSU1  
 CURRENT APPLICATION NUMBER: US/09/780,053  
 CURRENT FILING DATE: 2001-02-09  
 PRIOR APPLICATION NUMBER: 60/181,261  
 PRIOR FILING DATE: 2000-02-09  
 NUMBER OF SEQ ID NOS: 716  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 209  
 LENGTH: 10  
 TYPE: PRT  
 ORGANISM: Homo Sapiens  
 US-09-780-053-209

Query Match 44.7%; Score 34; DB 9; Length 10;  
 Best Local Similarity 66.7%; Pred. No. 24;  
 Matches 6; Conservative 2; Mismatches 1; Indels 1; Gaps 0;

QY 7 KIATCLNDN 15  
 DB 1 KIATCSDN 9  
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 |||||

## RESULT 8

US-10-354-240-155  
 Sequence 155, Application US/10354240  
 Publication No. US20030185847A1  
 GENERAL INFORMATION:  
 APPLICANT: Sone, Toshio  
 APPLICANT: Kume, Akimori  
 APPLICANT: Dairiki, Kazuo  
 APPLICANT: Iwama, Akiko  
 APPLICANT: Kino, Kohsuke  
 TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
 FILE REFERENCE: SPO-103D1  
 CURRENT APPLICATION NUMBER: US/10/354,240  
 CURRENT FILING DATE: 2003-01-29  
 PRIOR APPLICATION NUMBER: PCT/JP97/00740  
 PRIOR FILING DATE: 1997-03-10  
 PRIOR APPLICATION NUMBER: US 09/142,524  
 PRIOR FILING DATE: 1998-09-09  
 NUMBER OF SEQ ID NOS: 174  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 155  
 LENGTH: 15  
 TYPE: PRT  
 ORGANISM: Cryptomeria japonica  
 FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (1)-(15)  
 OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 72  
 US-10-354-240-155

Query Match 40.8%; Score 31; DB 14; Length 15;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 CLNDN 15  
 DB 1 CLNDN 5  
 |||||  
 |||||

## RESULT 9

US-09-780-053-498  
 Sequence 498, Application US/09780053  
 Patent No. US20020102640A1  
 GENERAL INFORMATION:  
 APPLICANT: Rene S. Hubert  
 APPLICANT: Daniel E.H. Afar  
 APPLICANT: Pia M. Challita-Bid  
 APPLICANT: Mary Paris  
 APPLICANT: Elana Levin  
 APPLICANT: Steve Chappell Mitchell  
 APPLICANT: Aya Jakobovits  
 TITLE OF INVENTION: 83P5G4: A TISSUE SPECIFIC PROTEIN  
 TITLE OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER  
 FILE REFERENCE: 129, SUSU1  
 CURRENT APPLICATION NUMBER: US/09/780,053  
 CURRENT FILING DATE: 2001-02-09  
 PRIOR APPLICATION NUMBER: 60/181,261  
 PRIOR FILING DATE: 2000-02-09  
 NUMBER OF SEQ ID NOS: 716  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 498  
 LENGTH: 10  
 TYPE: PRT  
 ORGANISM: Homo Sapiens  
 US-09-780-053-498

Query Match 38.2%; Score 29; DB 9; Length 10;  
 Best Local Similarity 62.5%; Pred. No. 1.8e+02;  
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 IATCLNDN 15  
 DB 1 IATCSDN 8  
 |||||  
 |||||

```

RESULT 10
US-09-780-053-578
; Sequence 578, Application US/09780053
; Patent No. US20020102640A1
; GENERAL INFORMATION:
; APPLICANT: Rene S. Hubert
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Pia M. Challita-Eid
; APPLICANT: Mary Faris
; APPLICANT: Elana Levin
; APPLICANT: Steve Chappell Mitchell
; APPLICANT: Aya Jakobovits
; TITLE OF INVENTION: 83p5G4: A TISSUE SPECIFIC PROTEIN
; TITLE OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER
; FILE REFERENCE: 129.5USU1
; CURRENT APPLICATION NUMBER: US/09/780,053
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,261
; PRIOR FILING DATE: 2000-02-09
; NUMBER OF SEQ ID NOS: 716
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 578
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-780-053-578

Query Match 38.2%; Score 29; DB 9; Length 10;
Best Local Similarity 62.5%; Pred. No. 1.8e+02; Length 10;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 IASCLNDN 15
Db 1 IATCSDDN 8

RESULT 11
US-09-780-053-703
; Sequence 703, Application US/09780053
; Patent No. US20020102640A1
; GENERAL INFORMATION:
; APPLICANT: Rene S. Hubert
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Mary Faris
; APPLICANT: Elana Levin
; APPLICANT: Steve Chappell Mitchell
; APPLICANT: Aya Jakobovits
; TITLE OF INVENTION: 83p5G4: A TISSUE SPECIFIC PROTEIN
; TITLE OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER
; FILE REFERENCE: 129.5USU1
; CURRENT APPLICATION NUMBER: US/09/780,053
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,261
; PRIOR FILING DATE: 2000-02-09
; NUMBER OF SEQ ID NOS: 716
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 703
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-780-053-703

Query Match 38.2%; Score 29; DB 9; Length 10;
Best Local Similarity 62.5%; Pred. No. 1.8e+02; Length 10;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 IASCLNDN 15
Db 1 IATCSDDN 8

RESULT 12
US-09-991-225-59
; Sequence 59, Application US/09991225
; Publication No. US20030153063A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMV11, EXPRESSED H
; TITLE OF INVENTION: HEART AND VARIANTS THEREOF
; FILE REFERENCE: D0075.NP
; CURRENT APPLICATION NUMBER: US/09/991,225
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/249,613
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/257,611
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/305,818
; PRIOR FILING DATE: 2001-07-16
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 59
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-991-225-59

Query Match 38.2%; Score 29; DB 10; Length 14;
Best Local Similarity 45.5%; Pred. No. 2.7e+02; Length 14;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 SGKIASCLNDN 15
Db 1 NGSVTSCLN 11

RESULT 13
US-09-991-225-71
; Sequence 71, Application US/09991225
; Publication No. US20030153063A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMV11, EXPRESSED H
; TITLE OF INVENTION: HEART AND VARIANTS THEREOF
; FILE REFERENCE: D0075.NP
; CURRENT APPLICATION NUMBER: US/09/991,225
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/249,613
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/257,611
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/305,818
; PRIOR FILING DATE: 2001-07-16
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 71
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-991-225-71

Query Match 38.2%; Score 29; DB 10; Length 14;
Best Local Similarity 45.5%; Pred. No. 2.7e+02; Length 14;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 SGKIASCLNDN 15
Db 1 NGSVTSCLN 11

RESULT 14
US-10-369-405-59
; Sequence 59, Application US/10369405
; Publication No. US20030224400A1
; GENERAL INFORMATION:

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APPLICANT: Bristol-Myers Squibb Company  
TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY11, AND VARIANTS  
TITLE OF INVENTION: THEREOF  
FILE REFERENCE: D0075A CIP  
CURRENT APPLICATION NUMBER: US/10/369,405  
CURRENT FILING DATE: 2003-02-14  
PRIOR APPLICATION NUMBER: U.S. 60/249,613  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: U.S. 09/991,225  
PRIOR FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: U.S. 60/257,611  
PRIOR FILING DATE: 2000-12-21  
PRIOR APPLICATION NUMBER: U.S. 60/305,818  
PRIOR FILING DATE: 2001-07-16  
NUMBER OF SEQ ID NOS: 94  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 59  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-369-405-59

Query Match 38.2%; Score 29; DB 12; Length 14;  
Best Local Similarity 45.5%; Pred. No. 2.7e+02;  
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 SGKIASCLNDN 15  
:|:|:|  
Db 1 NGSVTSCLLN 11

RESULT 15  
US-10-369-405-71  
Sequence 71, Application US/10369405  
Publication No. US2003024400A1  
GENERAL INFORMATION:  
APPLICANT: Bristol-Myers Squibb Company  
TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY11, AND VARIANTS  
TITLE OF INVENTION: THEREOF  
FILE REFERENCE: D0075A CIP  
CURRENT APPLICATION NUMBER: US/10/369,405  
CURRENT FILING DATE: 2003-02-14  
PRIOR APPLICATION NUMBER: U.S. 60/249,613  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: U.S. 09/991,225  
PRIOR FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: U.S. 60/257,611  
PRIOR FILING DATE: 2000-12-21  
PRIOR APPLICATION NUMBER: U.S. 60/305,818  
PRIOR FILING DATE: 2001-07-16  
NUMBER OF SEQ ID NOS: 94  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 71  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-369-405-71

Query Match 38.2%; Score 29; DB 12; Length 14;  
Best Local Similarity 45.5%; Pred. No. 2.7e+02;  
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 SGKIASCLNDN 15  
:|:|:|  
Db 1 NGSVTSCLLN 11

Search completed: April 29, 2004, 10:43:12  
Job time : 37.5 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:27:41 ; Search time 15.5 Seconds  
(without alignments)  
49.961 Million cell updates/sec

Title: US-09-308-027A-23

Perfect score: 67  
Sequence: 1 LSDISLKLTSKIA 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*

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4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	27	40.3	12	1	US-07-748-783-8
2	27	40.3	12	1	US-08-166-818-8
3	26	38.8	10	3	US-08-930-741-9
4	26	38.8	10	4	US-09-187-859-2964
5	26	38.8	10	4	US-09-839-542B-2964
6	26	38.8	15	4	US-09-647-372B-78
7	25	37.3	14	5	PCT-US93-06751-77
8	25	37.3	15	1	US-08-270-314-1
9	25	37.3	15	4	US-08-225-302-1
10	25	37.3	15	4	US-08-671-548C-71
11	25	37.3	15	4	US-08-671-548C-72
12	25	37.3	15	4	US-08-957-135-1
13	25	37.3	15	6	5196511-25
14	24	35.8	10	2	US-08-350-260A-483
15	24	35.8	10	4	US-08-104-337A-483
16	23	34.3	7	3	US-08-930-741-10
17	23	34.3	8	3	US-08-930-741-2
18	23	34.3	8	3	US-08-930-741-7
19	23	34.3	9	3	US-08-930-741-1
20	23	34.3	13	1	US-08-212-433A-5
21	23	34.3	13	3	US-08-716-256-5
22	23	34.3	13	5	PCT-US95-03239-5
23	23	34.3	14	2	US-09-133-774-3
24	23	34.3	14	3	US-09-303-862-3
25	23	34.3	15	1	US-07-720-189-5
26	23	34.3	15	1	US-08-240-514-49
27	23	34.3	15	2	US-08-612-302A-49

28 23 34.3 15 2 US-08-824-151-3 Sequence 3, Appli  
29 23 34.3 15 2 US-08-824-151-4 Sequence 4, Appli  
30 23 34.3 15 2 US-08-592-646A-42 Sequence 42, Appl  
31 23 34.3 15 4 US-09-165-422-42 Sequence 42, Appl  
32 22 32.8 7 3 US-09-173-941-75 Sequence 75, Appl  
33 22 32.8 7 4 US-09-494-190-75 Sequence 75, Appl  
34 22 32.8 8 1 US-08-237-418-7 Sequence 7, Appl  
35 22 32.8 8 3 US-08-468-337-7 Sequence 7, Appl  
36 22 32.8 8 4 US-09-758-318-7 Sequence 7, Appl  
37 22 32.8 10 4 US-09-187-859-879 Sequence 879, App  
38 22 32.8 10 4 US-09-187-859-1504 Sequence 1504, Ap  
39 22 32.8 10 4 US-09-187-859-2775 Sequence 2775, Ap  
40 22 32.8 10 4 US-09-187-859-3940 Sequence 3940, Ap  
41 22 32.8 10 4 US-09-308-927-289 Sequence 289, App  
42 22 32.8 10 4 US-09-839-542B-879 Sequence 879, App  
43 22 32.8 10 4 US-09-839-542B-1504 Sequence 1504, Ap  
44 22 32.8 10 4 US-09-839-542B-2775 Sequence 2775, Ap  
45 22 32.8 10 4 US-09-839-542B-3940 Sequence 3940, Ap

#### ALIGNMENTS

RESULT 1  
US-07-748-783-8  
; Sequence 8, Application US/07748783  
; Patent No. 5314991  
; GENERAL INFORMATION:  
; APPLICANT: Oka, Satoru  
; APPLICANT: Ono, Kazuhisa  
; APPLICANT: Shigeta, Seiko  
; TITLE OF INVENTION: Recombinant Mite Allergen  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Birch, Stewart, Kolasch & Birch  
; STREET: 301 N. Washington St.  
; CITY: Falls Church  
; STATE: Virginia  
; COUNTRY: USA  
; ZIP: 22046-3487  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07748,783  
; FILING DATE: 19910822  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Murphy Jr., Gerald M.  
; REGISTRATION NUMBER: 28,977  
; REFERENCE/DOCKET NUMBER: 1422-110P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-241-1300  
; TELEFAX: 703-241-2848  
; TELEX: 248345  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-07-748-783-8

Query Match 40.3%; Score 27; DB 1; Length 12;  
Best Local Similarity 50.0%; Pred. No. 73;  
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 3 DISLKLTSKIA 14

DB 1 DVELSLRSSDIA 12

```
RESULT 2
US-08-166-818-8
; Sequence 8, Application US/08166818
; Patent No. 5405758
; GENERAL INFORMATION:
; APPLICANT: Oka, Satoru
; APPLICANT: Ono, Kazuhisa
; APPLICANT: Shigeta, Seiko
; APPLICANT: Wada, Takeshi
; TITLE OF INVENTION: Recombinant Mite Allergen
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: P.O. Box 747
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/166,818
; FILING DATE: 15-December-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 1422-110P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-166-818-8
Query Match 40.3%; Score 27; DB 1; Length 12;
Best Local Similarity 50.0%; Pred. No. 73;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 3 DISLKLTSQKIA 14
Db 1 DVELSLRSSDIA 12

RESULT 3
US-08-930-741-9
; Sequence 9, Application US/08930741
; Patent No. 6034064
; GENERAL INFORMATION:
; APPLICANT: Yamagata, No. 6034064uyuki
; APPLICANT: Ogata, Kenji
; APPLICANT: Magatsuma, Masako
; APPLICANT: Takahashi, Hitoshi
; TITLE OF INVENTION: Peptide and Therapeutic Agent for
; TITLE OF INVENTION: Autoimmune Diseases Containing the Same
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner L.L.P.
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/930,741
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Jensen, Allen R.
; REGISTRATION NUMBER: 28,224
; REFERENCE/DOCKET NUMBER: 02481.1560-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-930-741-9
Query Match 38.8%; Score 25; DB 3; Length 8;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KLTSQK 12
Db 2 KLTSQK 7

RESULT 4
US-09-187-859-2964
; Sequence 2964, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2964
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: Protocadherin cell adhesion recognition sequence
US-09-187-859-2964
Query Match 38.8%; Score 26; DB 4; Length 10;
Best Local Similarity 50.0%; Pred. No. 91;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 DISLKLTSQK 12
Db 1 DFDLDTQK 10

RESULT 5
US-09-839-542B-2964
; Sequence 2964, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
```



```

; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2964
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: Protocadherin cell adhesion recognition sequence
US-09-839-542B-2964

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```

Query Match      38.8%; Score 26; DB 4; Length 10;
Best Local Similarity 50.0%; Pred. No. 91;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

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Qy      3 DISLKTSGK 12
Db      1 DFALDLVTGK 10

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RESULT 6
US-09-647-372B-78
; Sequence 78, Application US/09647372B
; Patent No. 5673770
; GENERAL INFORMATION:
; APPLICANT: Upcher B.V.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR THE TREATMENT, PROPHYLAXIS, DIAGNOSIS AND MONI
; FILE REFERENCE: Q61032
; CURRENT APPLICATION NUMBER: US/09/647,372B
; CURRENT FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: PCT/NL99/00189
; PRIOR FILING DATE: 1999-03-30
; PRIOR APPLICATION NUMBER: EP 98200993.8
; PRIOR FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-647-372B-78

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```

Query Match      38.8%; Score 26; DB 4; Length 15;
Best Local Similarity 54.5%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

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Qy      5 SLKLTSGKIAS 15
Db      3 SLKSVNGQIES 13

```

```

RESULT 7
PCT-US93-06751-77
; Sequence 77, Application PC/TUS9306751
; GENERAL INFORMATION:
; APPLICANT: P. Keller, A. J. Conley, A. R. Shaw, B. A. Arnold
; TITLE OF INVENTION: Immunological Conjugates of OMPc and
; TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06751
; FILING DATE: 19930719
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meredith, Roy D.
; REGISTRATION NUMBER: 30,777
; REFERENCE/DOCKET NUMBER: 18614
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-4678
; TELEFAX: (908) 594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE: Random Epitope Library Delta
PCT-US93-06751-77

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Query Match      37.3%; Score 25; DB 5; Length 14;
Best Local Similarity 50.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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Qy      6 LKLTSGKIAS 15
Db      3 VKIGPGRIAS 12

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RESULT 8
US-08-270-314-1
; Sequence 1, Application US/08270314
; Patent No. 5683888
; GENERAL INFORMATION:
; APPLICANT: CAMPBELL, Anthony K.
; TITLE OF INVENTION: MODIFIED BIOLUMINESCENT PROTEINS AND
; TITLE OF INVENTION: THEIR USE
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: YOUNG & THOMPSON
; STREET: 745 South 23rd Street
; CITY: Arlington
; STATE: VA
; COUNTRY: US
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/270,314
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 89 16806.6
; FILING DATE: 22-JUL-1989
; APPLICATION NUMBER: PCT/GB90/01131
; FILING DATE: 23-JUL-1990
; APPLICATION NUMBER: US 07/820,867
; FILING DATE: 22-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: PATCH, Andrew J.
; REGISTRATION NUMBER: 32,925

```

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 521-2297  
TELEFAX: (703) 585-0573  
TELEX: 248425 EMBON  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-270-314-1

Query Match 37.3%; Score 25; DB 1; Length 15;  
Best Local Similarity 60.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 LSDISLKLTS 10  
||:|:|  
DB 2 LSRLSLRLLS 11

RESULT 9

US-09-225-302-1  
Sequence 1, Application US/09225302  
Patent No. 6440665  
GENERAL INFORMATION:  
APPLICANT: CAMPBELL, ANTHONY KEITH  
TITLE OF INVENTION: MODIFIED BIOLUMINESCENT PROTEINS AND THEIR USE  
FILE REFERENCE: 09/225,302  
CURRENT APPLICATION NUMBER: US/09/225,302  
CURRENT FILING DATE: 1999-01-05  
PRIOR APPLICATION NUMBER: 08/957,135  
PRIOR FILING DATE: 1998-09-14  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: Patent In Ver. 2.1  
SEQ ID NO 1  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
OTHER INFORMATION: peptide  
US-09-225-302-1

Query Match 37.3%; Score 25; DB 4; Length 15;  
Best Local Similarity 60.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 LSDISLKLTS 10  
||:|:|  
DB 2 LSRLSLRLLS 11

RESULT 10

US-08-671-548C-71  
Sequence 71, Application US/08671548C  
Patent No. 6486130  
GENERAL INFORMATION:  
APPLICANT: LIVEY, Ian  
APPLICANT: CROWE, Brian  
APPLICANT: DORNER, Friedrich  
TITLE OF INVENTION: IMMUNOGENIC FORMULATION OF OSPC ANTIGEN VACCINE FOR THE PREVENTI  
TITLE OF INVENTION: TREATMENT OF LYME DISEASE AND RECOMBINANT METHODS FOR THE PREPAR  
TITLE OF INVENTION: ANTIGENS  
FILE REFERENCE: 37974-0023  
CURRENT APPLICATION NUMBER: US/08/671,548C  
CURRENT FILING DATE: 2001-08-30  
PRIOR APPLICATION NUMBER: US 08/284,667  
PRIOR FILING DATE: 1994-08-19  
PRIOR APPLICATION NUMBER: 08/053,863  
PRIOR FILING DATE: 1993-04-29  
PRIOR APPLICATION NUMBER: PCT/EP94/01365  
PRIOR FILING DATE: 1994-04-29

NUMBER OF SEQ ID NOS: 78  
SOFTWARE: Patent in version 3.0  
SEQ ID NO 71  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Borrelia sp.  
US-08-671-548C-71

Query Match 37.3%; Score 25; DB 4; Length 15;  
Best Local Similarity 50.0%; Pred. No. 2.3e+02;  
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 4 ISLKLTSGLK 13  
||:|:|  
DB 3 ISLITEGKL 12

RESULT 11

US-08-671-548C-72  
Sequence 72, Application US/08671548C  
Patent No. 6486130  
GENERAL INFORMATION:  
APPLICANT: LIVEY, Ian  
APPLICANT: CROWE, Brian  
APPLICANT: DORNER, Friedrich  
TITLE OF INVENTION: IMMUNOGENIC FORMULATION OF OSPC ANTIGEN VACCINE FOR THE PREVENTI  
TITLE OF INVENTION: TREATMENT OF LYME DISEASE AND RECOMBINANT METHODS FOR THE PREPA  
TITLE OF INVENTION: ANTIGENS  
FILE REFERENCE: 37974-0023  
CURRENT APPLICATION NUMBER: US/08/671,548C  
CURRENT FILING DATE: 2001-08-30  
PRIOR APPLICATION NUMBER: US 08/284,667  
PRIOR FILING DATE: 1994-08-19  
PRIOR APPLICATION NUMBER: 08/053,863  
PRIOR FILING DATE: 1993-04-29  
PRIOR APPLICATION NUMBER: PCT/EP94/01365  
PRIOR FILING DATE: 1994-04-29  
NUMBER OF SEQ ID NOS: 78  
SOFTWARE: Patent in version 3.0  
SEQ ID NO 72  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Borrelia sp.  
US-08-671-548C-72

Query Match 37.3%; Score 25; DB 4; Length 15;  
Best Local Similarity 55.6%; Pred. No. 2.3e+02;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 LSDISLKL 9  
||:|:|  
DB 3 LITEISKKIT 11

RESULT 12

US-08-957-135-1  
Sequence 1, Application US/08957135  
Patent No. 6492500  
GENERAL INFORMATION:  
APPLICANT: CAMPBELL, ANTHONY KEITH  
TITLE OF INVENTION: MODIFIED BIOLUMINESCENT PROTEINS AND THEIR USE  
FILE REFERENCE: 09/225,302  
CURRENT APPLICATION NUMBER: US/08/957,135  
CURRENT FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 08/957,135  
PRIOR FILING DATE: 1998-09-14  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: Patent In Ver. 2.1  
SEQ ID NO 1  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: peptide  
US-08-957-135-1

Query Match 37.3%; Score 25; DB 4; Length 15;  
Best Local Similarity 60.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 LSDISLKLT 10  
Db 2 LSRSLRLS 11

## RESULT 13

5196511-25  
; Patent No. 5196511  
; APPLICANT: PLOW, EDWARD F.; D'SOUZA, STANLEY E.  
; GINSBERG, MARK H.  
; TITLE OF INVENTION: PEPTIDES AND ANTIBODIES THAT INHIBIT  
; INTEGRIN-LIGAND BINDING  
; NUMBER OF SEQUENCES: 31  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/444,777  
; FILING DATE: 01-DEC-1989  
; SEQ ID NO: 25  
; LENGTH: 15  
5196511-25

Query Match 37.3%; Score 25; DB 6; Length 15;  
Best Local Similarity 50.0%; Pred. No. 2.3e+02;  
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 6 LKLTSGKI 13  
Db 1 LKVTGVS 8

## RESULT 14

US-08-350-260A-483  
; Sequence 483, Application US/08350260A  
; Patent No. 5962255  
; GENERAL INFORMATION:  
; APPLICANT: Winter, Gregory Paul  
; APPLICANT: Griffiths, Andrew David  
; APPLICANT: Williams, Samuel Cameron  
; APPLICANT: Waterhouse, Peter  
; APPLICANT: Nissim, Ahuva  
; APPLICANT: Johnson, Kevin Stuart  
; APPLICANT: Smith, Andrew John Hammond  
; TITLE OF INVENTION: Methods for producing members of specific  
; TITLE OF INVENTION: binding pairs  
; NUMBER OF SEQUENCES: 602  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: David W. Clough  
; STREET: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 6300 Sears Tower, 233 South Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606-6402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/350,260A  
; FILING DATE: 05-DEC-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9110549.4  
; FILING DATE: 15-MAY-1991  
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: GB 9206318.9  
; FILING DATE: 24-MAR-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/GB91/01134  
; FILING DATE: 10-JUL-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/GB92/00883  
; FILING DATE: 15-MAY-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/GB93/00605  
; FILING DATE: 24-MAR-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/150,002  
; FILING DATE: 31-MAR-1994  
; APPLICATION NUMBER: US 08/307,619  
; FILING DATE: 16-SEP-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Clough, David W  
; REGISTRATION NUMBER: 36,107  
; REFERENCE/DOCKET NUMBER: 28111/32372  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 312-474-6300  
; INFORMATION FOR SEQ ID NO: 483:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-350-260A-483

Query Match 35.8%; Score 24; DB 2; Length 10;  
Best Local Similarity 71.4%; Pred. No. 2.2e+02;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 9 TSGKIAS 15  
Db 1 TSGKLHS 7

## RESULT 15

US-09-104-337A-483  
; Sequence 483, Application US/09104337A  
; Patent No. 6492160  
; GENERAL INFORMATION:  
; APPLICANT: Winter, Gregory Paul  
; APPLICANT: Griffiths, Andrew David  
; APPLICANT: Williams, Samuel Cameron  
; APPLICANT: Waterhouse, Peter  
; APPLICANT: Nissim, Ahuva  
; APPLICANT: Johnson, Kevin Stuart  
; APPLICANT: Smith, Andrew John Hammond  
; TITLE OF INVENTION: Methods for producing members of specific  
; TITLE OF INVENTION: binding pairs  
; NUMBER OF SEQUENCES: 600  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Audrey L. Bartnicki  
; STREET: Marshall, Gerstein & Borun  
; STREET: 6300 Sears Tower, 233 South Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606-6402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/104,337A  
; FILING DATE: 25-JUN-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/350,260

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; FILING DATE: 05-DEC-1994
; APPLICATION NUMBER: GB 9110549.4
; FILING DATE: 15-MAY-1991
; APPLICATION NUMBER: GB 9206318.9
; FILING DATE: 24-MAR-1992
; APPLICATION NUMBER: PCT/GB92/00883
; FILING DATE: 15-MAY-1992
; APPLICATION NUMBER: PCT/GB93/00605
; FILING DATE: 24-MAR-1993
; APPLICATION NUMBER: US 08/150,002
; FILING DATE: 31-MAR-1994
; APPLICATION NUMBER: US 08/307,619
; FILING DATE: 16-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Bartnicki, Audrey L.
; REGISTRATION NUMBER: 40,499
; REFERENCE/DOCKET NUMBER: 28111/32372A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; INFORMATION FOR SEQ ID NO: 483:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 483:
US-09-104-337A-483

Query Match          35.8%; Score 24; DB 4; Length 10;
Best Local Similarity 71.4%; Pred. No. 2.2e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 9 TSGKIAS 15
Db 1 TSGKLHS 7

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Search completed: April 29, 2004, 10:35:27  
Job time : 16.5 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-22

Perfect score: 73

Sequence: 1 CKDKLSLKLTS 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	31	42.5	9	1	US-08-213-124-25
2	31	42.5	9	3	US-08-159-339A-313
3	28	38.4	14	5	PCT-US94-06360-2
4	26	35.6	8	2	US-08-467-822-9
5	26	35.6	8	3	US-08-432-697-9
6	26	35.6	8	3	US-08-466-248-9
7	26	35.6	12	1	US-08-250-789A-39
8	26	35.6	12	4	US-09-057-897-14
9	26	35.6	13	3	US-09-043-937A-25
10	25	34.2	8	4	US-09-227-357-323
11	25	34.2	9	3	US-09-502-600-39
12	25	34.2	9	3	US-09-502-600-54
13	25	34.2	9	3	US-09-502-600-74
14	25	34.2	9	4	US-09-918-243-39
15	25	34.2	9	4	US-09-918-243-54
16	25	34.2	9	4	US-09-918-243-74
17	25	34.2	13	2	US-08-623-690-13
18	25	34.2	15	1	US-08-270-314-1
19	25	34.2	15	4	US-09-225-302-1
20	25	34.2	15	4	US-08-671-548C-72
21	25	34.2	15	4	US-08-957-135-1
22	24	32.9	6	1	US-08-198-962-3
23	24	32.9	6	1	US-08-682-412B-3
24	24	32.9	8	2	US-08-312-202B-8
25	24	32.9	8	3	US-09-079-347-8
26	24	32.9	8	3	US-09-075-725-8
27	24	32.9	8	4	US-08-803-646-8

28	24	32.9	8	5	PCT-US95-12433-8	Sequence 8, Appli
29	24	32.9	10	4	US-09-755-630B-54	Sequence 54, Appl
30	24	32.9	11	4	US-09-636-731A-42	Sequence 42, Appl
31	24	32.9	12	1	US-08-250-789A-34	Sequence 34, Appl
32	24	32.9	13	3	US-08-974-549A-138	Sequence 138, App
33	24	32.9	13	4	US-09-402-181B-138	Sequence 138, App
34	24	32.9	13	4	US-09-721-456-138	Sequence 138, App
35	23	31.5	9	1	US-08-221-817-5	Sequence 5, Appli
36	23	31.5	9	1	US-08-454-439-5	Sequence 5, Appli
37	23	31.5	9	2	US-08-623-690-1	Sequence 1, Appli
38	23	31.5	9	5	PCT-US94-10487-5	Sequence 5, Appli
39	23	31.5	10	2	US-08-520-535-17	Sequence 17, Appl
40	23	31.5	10	2	US-09-079-432-17	Sequence 17, Appl
41	23	31.5	11	5	PCT-US93-07261-19	Sequence 19, Appl
42	23	31.5	12	1	US-08-218-026-41	Sequence 41, Appl
43	23	31.5	12	2	US-08-653-632-41	Sequence 41, Appl
44	23	31.5	15	1	US-08-240-514-49	Sequence 49, Appl
45	23	31.5	15	2	US-08-612-302A-49	Sequence 49, Appl

ALIGNMENTS

RESULT 1  
US-08-213-124-25  
; Sequence 25, Application US/08213124  
; Patent No. 5693325  
; GENERAL INFORMATION:  
; APPLICANT: Kahn, Michael  
; TITLE OF INVENTION: PEPTIDE VACCINES AND METHODS RELATING  
; TITLE OF INVENTION: THERETO  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEED AND BERRY  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104-7092

COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/213,124  
FILING DATE: 15-MAR-1994  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Hermanns, Karl R.  
REGISTRATION NUMBER: 33,507  
REFERENCE/DOCKET NUMBER: 670063.411  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
TELEX: 3723836 SEEDANDBERRY  
INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear

US-08-213-124-25  
Query Match 42.5%; Score 31; DB 1; Length 9;  
Best Local Similarity 62.5%; Pred. No. 3e+05;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDKLSLD 8  
Db 1 CTELKLSLD 8

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RESULT 2
US-08-159-339A-313
; Sequence 313, Application US/08159339A
; Patent No. 6037135
; GENERAL INFORMATION:
; APPLICANT: Kubo, Ralph T.
; APPLICANT: Grey, Howard M.
; APPLICANT: Sette, Alessandro
; APPLICANT: Celis, Estaban
; TITLE OF INVENTION: HLA Binding peptides and Their
; TITLE OF INVENTION: Uses
; NUMBER OF SEQUENCES: 1254
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/159.339A
; FILING DATE: 29-NOV-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/926,666
; FILING DATE: 07-AUG-1992
; APPLICATION NUMBER: US 08/027,746
; FILING DATE: 05-MAR-1993
; APPLICATION NUMBER: US 08/103,396
; FILING DATE: 06-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Ellen Lauver
; REGISTRATION NUMBER: 32,762
; REFERENCE/DOCKET NUMBER: 018623-0050300S
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; TELEX:
; INFORMATION FOR SEQ ID NO: 313:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-159-339A-313

Query Match 42.5%; Score 31; DB 3; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDKLSD 8
DB 1 CTELKLS 8

RESULT 3
PCT-US94-06360-2
; Sequence 2, Application PC/TUS9406360
; GENERAL INFORMATION:
; APPLICANT: Mark Feitelson
; TITLE OF INVENTION: Method of Detecting Hepatitis B Variants
; TITLE OF INVENTION: Having Deletions Within the X Region of the Virus Genome
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill

```

```

; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/06360
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/074,346
; FILING DATE: June 8, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: JEFF-0018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14
; TYPE: Amino Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: NO
PCT-US94-06360-2

Query Match 38.4%; Score 28; DB 5; Length 14;
Best Local Similarity 50.0%; Pred. No. 87;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 KDIKLSDISKL 13
DB 3 KDWELGEIRKV 14

RESULT 4
US-08-467-822-9
; Sequence 9, Application US/08467822
; Patent No. 5843460
; GENERAL INFORMATION:
; APPLICANT: Labigne, Agnes
; APPLICANT: Sauerbaum, Sebastien
; APPLICANT: Ferrero, Richard L.
; APPLICANT: Thiberge, Jean-Michel
; TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
; TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
; TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
; TITLE OF INVENTION: POLYPEPTIDES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,822
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/447,177

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/ FILING DATE: 19-MAY-1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/432,697
/ FILING DATE: 02-MAY-1995
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 03495.0137-02000
/ TELEPHONE: (202) 408-4000
/ TELEFAX: (202) 408-4400
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 8 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
US-08-467-822-9

Query Match 35.6%; Score 26; DB 2; Length 8;
Best Local Similarity 71.4%; Pred. No. 3e+05; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 KDILSD 8
Db 2 KEIKFSD 8

RESULT 5
US-08-432-697-9
; Sequence 9, Application US/08432697
; Patent No. 6248330
; GENERAL INFORMATION:
; APPLICANT: Labigne, Agnes
; APPLICANT: Sauerbaum, Sebastien
; APPLICANT: Ferrero, Richard L.
; APPLICANT: Thiberge, Jean-Michel
; TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
; TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
; TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
; TITLE OF INVENTION: POLYPEPTIDES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Parabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/432,697
; FILING DATE: 02-MAY-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0137-00000
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid

US-08-467-822-9

Query Match 35.6%; Score 26; DB 2; Length 8;
Best Local Similarity 71.4%; Pred. No. 3e+05; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 KDILSD 8
Db 2 KEIKFSD 8

RESULT 6
US-08-466-248-9
; Sequence 9, Application US/08466248
; Patent No. 6258359
; GENERAL INFORMATION:
; APPLICANT: Labigne, Agnes
; APPLICANT: Sauerbaum, Sebastien
; APPLICANT: Ferrero, Richard L.
; APPLICANT: Thiberge, Jean-Michel
; TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
; TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
; TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
; TITLE OF INVENTION: POLYPEPTIDES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Parabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,248
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/447,177
; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/432,697
; FILING DATE: 02-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03495.0137-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-466-248-9

Query Match 35.6%; Score 26; DB 3; Length 8;
Best Local Similarity 71.4%; Pred. No. 3e+05; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY      2 KDIXLSD 8
      1:|||||
Db      2 KEIKFSD 8

RESULT 7
US-08-250-789A-39
; Sequence 39, Application US/08250789A
; Patent No. 5635597
; GENERAL INFORMATION:
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Chernov-Rogan, Tania
; APPLICANT: Davis, Ann M.
; TITLE OF INVENTION: Peptides That Bind to IL-2 Receptors
; NUMBER OF SEQUENCES: 194
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/250,789A
; FILING DATE: 27-MAY-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5635597v1el, Vernon A.
; REGISTRATION NUMBER: 32,483
; REFERENCE/DOCKET NUMBER: 16528A-57/1043
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-250-789A-39

Query Match      35.6%; Score 26; DB 1; Length 12;
Best Local Similarity 44.4%; Pred. No. 1.6e+02;
Matches 4; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      1 CKDIXLSDI 9
      1:|||||
Db      3 CYDASLGLD 11

RESULT 8
US-09-057-897-14
; Sequence 14, Application US/09057897
; Patent No. 6300476
; GENERAL INFORMATION:
; APPLICANT: Lu, Anthony Y.H.
; APPLICANT: Wang, Regina W.
; TITLE OF INVENTION: Anti-Peptide Antibody Against Human
; TITLE OF INVENTION: Cytochrome P450 3A4
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: US
; ZIP: 07065-0907

us-09-308-027a-22.closed.ra1

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/057,897
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hand, J. Mark
; REGISTRATION NUMBER: 36,545
; REFERENCE/DOCKET NUMBER: 19902
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (732) 594-3905
; TELEFAX: (732) 594-4720
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-057-897-14

Query Match      35.6%; Score 26; DB 4; Length 12;
Best Local Similarity 50.0%; Pred. No. 1.6e+02;
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      1 CKDIXLSD 8
      1:|||||
Db      1 CKESRLD 8

RESULT 9
US-09-043-937A-25
; Sequence 25, Application US/09043937A
; Patent No. 6211432
; GENERAL INFORMATION:
; APPLICANT: BOUDET, ALAIN-MICHEL
; APPLICANT: PICHON, MAGALIE
; APPLICANT: GRIMA-PETTENATI, JACQUELINE
; APPLICANT: BECKERT, MICHEL
; APPLICANT: GAWAS, PASCAL
; APPLICANT: BRIAT, JEAN-FRANCOIS
; TITLE OF INVENTION: DNA SEQUENCES CODING FOR CINNAMOYL-CoA
; REDUCTASE, AND APPLICATIONS THEREOF IN THE CONTROL OF
; LIGNIN CONTENTS IN PLANTS
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE, P.C.
; STREET: 110 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/043,937A
; FILING DATE: 24-Jul-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/FR96/01544
; FILING DATE: 03-OCT-1996
; APPLICATION NUMBER: FR 95.11623
; FILING DATE: 03-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36.663
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; REFERENCE/DOCKET NUMBER: 1487-20
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
;
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; MOLECULE TYPE: peptide
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; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-043-937A-25

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Query Match 35.6%; Score 26; DB 3; Length 13;  
Best Local Similarity 50.0%; Pred. No. 1.8e+02;  
Matches 5: Conservative 2; Mismatches 3; Indels

Qy	5	KLSDISLKT	14
		:	
Db	1	KLRLGLEFT	10

RESULT 10  
US-09-227-357-323  
; Sequence 323, Application US/09227357  
; Patent No. 6342581  
; GENERAL INFORMATION:

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1 TITLE OF INVENTION: 123 Human Secreted Proteins
2
3 APPLCMNT: Fischer et al.
4
5 FILE REFERENCE: P2010P1
6
7 CURRENT APPLICATION NUMBER: US/09/227,357
8
9 CURRENT FILING DATE: 1999-01-08
10
11 EARLIER APPLICATION NUMBER: PCT/US98/13684
12
13 EARLIER FILING DATE: 1998-07-07
14
15 EARLIER APPLICATION NUMBER: 60/051,926
16
17 EARLIER FILING DATE: 1997-07-08
18
19 EARLIER APPLICATION NUMBER: 60/052,793
20
21 EARLIER FILING DATE: 1997-07-08
22
23 EARLIER APPLICATION NUMBER: 60/051,925
24
25 EARLIER FILING DATE: 1997-07-08
26
27 EARLIER APPLICATION NUMBER: 60/051,929
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29 EARLIER FILING DATE: 1997-07-08
30
31 EARLIER APPLICATION NUMBER: 60/052,803
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33 EARLIER FILING DATE: 1997-07-08
34
35 EARLIER APPLICATION NUMBER: 60/052,732
36
37 EARLIER FILING DATE: 1997-07-08
38
39 EARLIER APPLICATION NUMBER: 60/051,931
40
41 EARLIER FILING DATE: 1997-07-08
42
43 EARLIER APPLICATION NUMBER: 60/051,932
44
45 EARLIER FILING DATE: 1997-07-08
46
47 EARLIER APPLICATION NUMBER: 60/051,916
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49 EARLIER FILING DATE: 1997-07-08
50
51 EARLIER APPLICATION NUMBER: 60/051,930
52
53 EARLIER FILING DATE: 1997-07-08
54
55 EARLIER APPLICATION NUMBER: 60/051,918
56
57 EARLIER FILING DATE: 1997-07-08
58
59 EARLIER APPLICATION NUMBER: 60/051,920
60
61 EARLIER FILING DATE: 1997-07-08
62
63 EARLIER APPLICATION NUMBER: 60/052,733
64
65 EARLIER FILING DATE: 1997-07-08
66
67 EARLIER APPLICATION NUMBER: 60/052,795
68
69 EARLIER FILING DATE: 1997-07-08
70
71 EARLIER APPLICATION NUMBER: 60/051,919
72
73 EARLIER FILING DATE: 1997-07-08
74
75 EARLIER APPLICATION NUMBER: 60/051,928
76
77 EARLIER FILING DATE: 1997-07-08
78
79 EARLIER APPLICATION NUMBER: 60/055,722
80
81 EARLIER FILING DATE: 1997-08-18
82
83 EARLIER APPLICATION NUMBER: 60/055,723
84
85 EARLIER FILING DATE: 1997-08-18
86
87 EARLIER APPLICATION NUMBER: 60/055,948
88
89 EARLIER FILING DATE: 1997-08-18
90

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, EARLIER APPLICATION NUMBER: 60/055,949
, EARLIER FILING DATE: 1997-08-18
, EARLIER APPLICATION NUMBER: 60/055,953
, EARLIER FILING DATE: 1997-08-18
, EARLIER APPLICATION NUMBER: 60/055,950
, EARLIER FILING DATE: 1997-08-18
, EARLIER APPLICATION NUMBER: 60/055,947
, EARLIER FILING DATE: 1997-08-18
, EARLIER APPLICATION NUMBER: 60/055,964
, EARLIER FILING DATE: 1997-08-18
, EARLIER APPLICATION NUMBER: 60/056,360
, EARLIER FILING DATE: 1997-08-18
, EARLIER APPLICATION NUMBER: 60/055,684
, EARLIER FILING DATE: 1997-08-18
, EARLIER APPLICATION NUMBER: 60/055,984
, EARLIER FILING DATE: 1997-08-18
, EARLIER APPLICATION NUMBER: 60/055,954
, EARLIER FILING DATE: 1997-08-18
, EARLIER APPLICATION NUMBER: 60/058,785
, EARLIER FILING DATE: 1997-09-12
, EARLIER APPLICATION NUMBER: 60/058,664
, EARLIER FILING DATE: 1997-09-12
, EARLIER APPLICATION NUMBER: 60/058,660
, EARLIER FILING DATE: 1997-09-12
, EARLIER APPLICATION NUMBER: 60/058,661
, EARLIER FILING DATE: 1997-09-12
, NUMBER OF SEQ ID NOS: 672
, SOFTWARE: PatentIn Ver. 2.0
, SEQ ID NO 323
, LENGTH: 8
, TYPE: PRT
, ORGANISM: Homo sapiens
US-09-221-357-323

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Query Match 34.2%; Score 25; DB 4; Length 8;  
Best Local Similarity 80.0%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels

Qy	1	CKDIK	5
Db	3	CKEIK	7

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RESULT 11
US-09-502-600-39
; Sequence 39, Application US/09502600A
; Patent No. 6294344
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; TITLE OF INVENTION: Ovarian Cancer
; FILE REFERENCE: D6223CIP-C
; CURRENT FILING DATE: 2000-02-11
; CURRENT APPLICATION NUMBER: US/09/502,600A
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 136
; SEQ ID NO 39
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 163-171 of the SCCE protein
US-09-502-600-39

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Query Match	34.2%	Score 25;	DB 3;	Length 9;
Best Local Similarity	66.7%	Pred. No. 3e+05;		
Match 4. Conservative	1;	Mismatches	1;	Indels 0;
Match 4. Conservative	1;	Mismatches	1;	Gaps 0;

Qy 1 CKDIKL 6  
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: | |  
Db 3 CVDVKL 8

RESULT 12  
US-09-502-600-54  
; Sequence 54, Application US/09502600A  
; Patent No. 6294344  
; GENERAL INFORMATION:  
; APPLICANT: O'Brien, Timothy J.  
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of  
; TITLE OF INVENTION: Ovarian Cancer  
; FILE REFERENCE: D6223CIP-C  
; CURRENT FILING DATE: 2000-02-11  
; CURRENT APPLICATION NUMBER: US/09/502,600A  
; PRIOR APPLICATION NUMBER: 09/039,211  
; PRIOR FILING DATE: 03-14-1998  
; NUMBER OF SEQ ID NOS: 136  
; SEQ ID NO 54  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Residues 162-170 of the SCCE protein  
US-09-502-600-54

Query Match 34.2%; Score 25; DB 3; Length 9;  
Best Local Similarity 66.7%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKL 6  
| | | |  
Db 4 CVDVKL 9

RESULT 13  
US-09-502-600-74  
; Sequence 74, Application US/09502600A  
; Patent No. 6294344  
; GENERAL INFORMATION:  
; APPLICANT: O'Brien, Timothy J.  
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of  
; TITLE OF INVENTION: Ovarian Cancer  
; FILE REFERENCE: D6223CIP-C  
; CURRENT FILING DATE: 2000-02-11  
; CURRENT APPLICATION NUMBER: US/09/502,600A  
; PRIOR APPLICATION NUMBER: 09/039,211  
; PRIOR FILING DATE: 03-14-1998  
; NUMBER OF SEQ ID NOS: 136  
; SEQ ID NO 74  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Residues 165-173 of the SCCE protein  
US-09-502-600-74

Query Match 34.2%; Score 25; DB 3; Length 9;  
Best Local Similarity 66.7%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKL 6  
| | | |  
Db 1 CVDVKL 6

RESULT 14  
US-09-918-243-39  
; Sequence 39, Application US/09918243  
; Patent No. 6627403  
; GENERAL INFORMATION:  
; APPLICANT: O'Brien, Timothy J.  
; APPLICANT: Cannon, Martin J.  
; APPLICANT: Santin, Alessandro  
; TITLE OF INVENTION: Methods for the early diagnosis of ovarian cancer  
; FILE REFERENCE: D6223CIP/C/D/CIP

; CURRENT APPLICATION NUMBER: US/09/918,243  
; CURRENT FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: US  
; PRIOR FILING DATE: 2001-07-13  
; NUMBER OF SEQ ID NOS: 136  
; SEQ ID NO 39  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CHAIN  
; OTHER INFORMATION: Residues 163-171 of the SCCE protein  
US-09-918-243-39

Query Match 34.2%; Score 25; DB 4; Length 9;  
Best Local Similarity 66.7%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKL 6  
| | | |  
Db 3 CVDVKL 8

RESULT 15  
US-09-918-243-54  
; Sequence 54, Application US/09918243  
; Patent No. 6627403  
; GENERAL INFORMATION:  
; APPLICANT: O'Brien, Timothy J.  
; APPLICANT: Cannon, Martin J.  
; APPLICANT: Santin, Alessandro  
; TITLE OF INVENTION: Methods for the early diagnosis of ovarian cancer  
; FILE REFERENCE: D6223CIP/C/D/CIP  
; CURRENT APPLICATION NUMBER: US/09/918,243  
; CURRENT FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: US  
; PRIOR FILING DATE: 2001-07-13  
; NUMBER OF SEQ ID NOS: 136  
; SEQ ID NO 54  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CHAIN  
; OTHER INFORMATION: Residues 162-170 of the SCCE protein  
US-09-918-243-54

Query Match 34.2%; Score 25; DB 4; Length 9;  
Best Local Similarity 66.7%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKL 6  
| | | |  
Db 4 CVDVKL 9

Search completed: April 29, 2004, 09:27:36  
Job time : 12.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 10:34:14 ; Search time 36.5 Seconds

(without alignments)  
113.914 Million cell updates/sec

Title: US-09-308-027A-23

Perfect score: 67  
Sequence: 1 LSDISLXLTSGKIAS 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications RA:  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	ID	Description
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2	53	73.1	12	US-10-354-240-6
3	45	67.2	15	US-10-354-240-153
4	44	65.7	15	US-10-354-240-151
5	27	40.3	13	US-09-971-536-81
6	27	40.3	13	US-09-966-422B-28
7	27	40.3	13	US-10-262-372A-28
8	26	38.8	10	US-09-572-404B-197
9	26	38.8	10	US-10-006-869-2964
10	26	38.8	10	US-10-395-032-2964
11	26	38.8	14	US-10-168-424-7
12	26	38.8	15	US-10-050-704-327
13	25.5	38.1	15	US-10-024-652-2178
14	25.5	38.1	15	US-10-024-652-2368
15	25.5	38.1	15	US-10-024-652-2548

16	25	38.1	15	US-10-024-652-2549	Sequence 2549, Ap
17	25	37.3	11	US-10-343-654-46	Sequence 46, Appl
18	25	37.3	12	US-10-601-837-128	Sequence 128, App
19	25	37.3	12	US-10-014-340-420	Sequence 420, App
20	25	37.3	14	US-10-365-738-8	Sequence 8, Appli
21	25	37.3	15	US-10-154-801-1	Sequence 1, Appli
22	24.5	36.6	15	US-10-024-652-2102	Sequence 2102, Ap
23	24.5	36.6	15	US-10-024-652-2283	Sequence 2283, Ap
24	24.5	36.6	15	US-10-024-652-2436	Sequence 2436, Ap
25	24	35.8	9	US-10-024-652-133	Sequence 133, App
26	24	35.8	9	US-10-024-652-211	Sequence 211, App
27	24	35.8	9	US-10-024-652-302	Sequence 302, App
28	24	35.8	9	US-10-024-652-879	Sequence 879, App
29	24	35.8	9	US-10-024-652-1012	Sequence 1012, Ap
30	24	35.8	9	US-10-024-652-1022	Sequence 1022, Ap
31	24	35.8	9	US-10-024-652-1100	Sequence 1100, Ap
32	24	35.8	9	US-10-024-652-1161	Sequence 1161, Ap
33	24	35.8	9	US-10-024-652-1437	Sequence 1437, Ap
34	24	35.8	9	US-10-024-652-2022	Sequence 2022, Ap
35	24	35.8	9	US-10-024-652-2031	Sequence 2031, Ap
36	24	35.8	10	US-09-572-404B-1725	Sequence 1725, Ap
37	24	35.8	10	US-10-024-652-181	Sequence 181, App
38	24	35.8	10	US-10-024-652-289	Sequence 289, App
39	24	35.8	10	US-10-024-652-371	Sequence 371, App
40	24	35.8	10	US-10-024-652-1514	Sequence 1514, Ap
41	24	35.8	10	US-10-024-652-1515	Sequence 1515, Ap
42	24	35.8	10	US-10-024-652-1657	Sequence 1657, Ap
43	24	35.8	10	US-10-024-652-1681	Sequence 1681, Ap
44	24	35.8	10	US-10-024-652-1876	Sequence 1876, Ap
45	24	35.8	10	US-10-024-652-1940	Sequence 1940, Ap

ALIGNMENTS

RESULT 1  
US-10-354-240-152  
; Sequence 152, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akimori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kimo, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354.240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 152  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 69  
US-10-354-240-152

Query Match 100.0%; Score 67; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 1.4e-05;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LSDISLXLTSGKIAS 15

Db 1 LSDISLXLTSGKIAS 15

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RESULT 2
US-10-354-240-6
; Sequence 6, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 6
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; US-10-354-240-6

Query Match 79.1%; Score 53; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.0043;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 ISKLTSGKIAS 15
DB 1 ISKLTSGKIAS 12

RESULT 3
US-10-354-240-153
; Sequence 153, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 153
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 70
; US-10-354-240-153

Query Match 67.2%; Score 45; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 LKLTSGKIAS 15
DB 1 LKLTSGKIAS 10
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RESULT 4
US-10-354-240-151
; Sequence 151, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 151
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 68
; US-10-354-240-151

Query Match 65.7%; Score 44; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LSDISLKLT 10
DB 6 LSDISLKLT 15

RESULT 5
US-09-971-536-81
; Sequence 81, Application US/09971536
; Patent No. US20020159976A1
; GENERAL INFORMATION:
; APPLICANT: Glenn, Matthew
; APPLICANT: Havukkala, Ilkka
; APPLICANT: Bloksberg, Leonard
; APPLICANT: Lubbers, Mark
; APPLICANT: Dekker, James
; APPLICANT: Christensson, Anna
; APPLICANT: Holland, Ross
; APPLICANT: O'Toole, Paul
; APPLICANT: Reid, Julian
; APPLICANT: Coolbear, Timothy
; TITLE OF INVENTION: Lactobacillus rhamnosus Polynucleotides, Polypeptides and Methods
; FILE REFERENCE: 1043c2
; CURRENT APPLICATION NUMBER: US/09/971,536
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: U.S. No. US20020159976A1 09/634,238
; PRIOR FILING DATE: 2000-08-08
; PRIOR APPLICATION NUMBER: U.S. No. US20020159976A1 09/724,623
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: PCT/NZ01/00160
; PRIOR FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Lactobacillus rhamnosus
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FEATURE:  
NAME/KEY: PEPTIDE  
LOCATION: (0)...(0)  
US-09-971-536-81

Query Match 40.3%; Score 27; DB 9; Length 13;  
Best Local Similarity 44.4%; Pred. No. 3.2e+02;  
Matches 4; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 5 SLKLTSGKI 13  
|:|:|:|:  
DB 1 SVKITAGQL 9

RESULT 6

US-09-966-422B-28 ; Sequence 28, Application US/09966422B  
; Publication No. US2003004892A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRTMY6, EXPRESSED HIG  
; TITLE OF INVENTION: SMALL INTESINE  
; FILE REFERENCE: D004ONP/3053-4119US3  
; CURRENT APPLICATION NUMBER: US/09/966,422B  
; CURRENT FILING DATE: 2002-05-07  
; PRIOR APPLICATION NUMBER: 60/235,502  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: 60/306,504  
; PRIOR FILING DATE: 2001-07-19  
; PRIOR APPLICATION NUMBER: 60/315,412  
; PRIOR FILING DATE: 2001-08-28  
; NUMBER OF SEQ ID NOS: 81  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 28  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-966-422B-28

Query Match 40.3%; Score 27; DB 10; Length 13;  
Best Local Similarity 54.5%; Pred. No. 3.2e+02;  
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 2 SDISLKTSGK 12  
|:|:|:|:  
DB 3 SDFSQKIISK 13

RESULT 7

US-10-262-272A-28 ; Sequence 28, Application US/10262272A  
; Publication No. US20030170671A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRTMY6  
; FILE REFERENCE: D0044 CIP  
; CURRENT APPLICATION NUMBER: US/10/262,272A  
; CURRENT FILING DATE: 2002-09-27  
; PRIOR APPLICATION NUMBER: U.S. 09/966,422  
; PRIOR FILING DATE: 2001-09-26  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 28  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-262-272A-28

Query Match 40.3%; Score 27; DB 14; Length 13;  
Best Local Similarity 54.5%; Pred. No. 3.2e+02;  
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 2 SDISLKTSGK 12

Db 3 SDFSQKIISK 13  
|:|:|:|:

RESULT 8

US-09-572-404B-197 ; Sequence 197, Application US/09572404B  
; Publication No. US20030078374A1  
; GENERAL INFORMATION:  
; APPLICANT: Proteom Ltd  
; TITLE OF INVENTION: Complementary peptide ligands from the human genome  
; FILE REFERENCE: Human Patent  
; CURRENT APPLICATION NUMBER: US/09/572,404B  
; CURRENT FILING DATE: 2000-05-17  
; NUMBER OF SEQ ID NOS: 4203  
; SOFTWARE: Patent version 1.0  
; SEQ ID NO 197  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; OTHER INFORMATION: sequence located in NPR2 OR ANPRB at 119-128 and may interact wi  
; OTHER INFORMATION: Sequence 198 in this patent.  
US-09-572-404B-197

Query Match 38.8%; Score 26; DB 10; Length 10;  
Best Local Similarity 62.5%; Pred. No. 3.7e+02;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 LTSKGKIAS 15  
|:|:|:|:  
DB 2 LTAGAVAS 9

RESULT 9

US-10-006-869-2964 ; Sequence 2964, Application US/10006869  
; Publication No. US20030082166A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Symonds, James Matthew  
; APPLICANT: Gour, Barbara J.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL  
; FILE REFERENCE: 100086,407C7  
; CURRENT APPLICATION NUMBER: US/10/006,869  
; CURRENT FILING DATE: 2001-12-03  
; NUMBER OF SEQ ID NOS: 4052  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2964  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Representative cyclic modulating agent based on  
; OTHER INFORMATION: Protocadherin cell adhesion recognition sequence  
US-10-006-869-2964

Query Match 38.8%; Score 26; DB 14; Length 10;  
Best Local Similarity 50.0%; Pred. No. 3.7e+02;  
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 DISLKLTSCK 12  
|:|:|:|:  
DB 1 DFALDLVTGK 10

RESULT 10

US-10-395-032-2964  
; Sequence 2964, Application US/10395032  
; Publication No. US20030229199A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.

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/ APPLICANT: Symonds, James Matthew
/ APPLICANT: Gour, Barbara J.
/ TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
/ TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
/ FILE REFERENCE: 100086.407C9
/ CURRENT APPLICATION NUMBER: US/10/395,032
/ CURRENT FILING DATE: 2003-03-21
/ NUMBER OF SEQ ID NOS: 4052
/ SOFTWARE: Patent in Ver. 2.0
/ SEQ ID NO 2964
/ LENGTH: 10
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Representative cyclic modulating agent based on
/ OTHER INFORMATION: Protocadherin cell adhesion recognition sequence
US-10-395-032-2964

Query Match      38.8%; Score 26; DB 15; Length 10;
Best Local Similarity 50.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      3 DISLKLTSK 12
Db      1 DFALDLVTGK 10

RESULT 11
US-10-168-424-7
/ Sequence 7, Application US/10168424
/ Publication No. US20030170655A1
/ GENERAL INFORMATION:
/ APPLICANT: Cyclacel Limited
/ APPLICANT: Glover, David M.
/ APPLICANT: Yamamoto, Rochele
/ APPLICANT: Henderson, Daryl
/ TITLE OF INVENTION: Mus101 and Homologues thereof
/ FILE REFERENCE: CCI-022US
/ CURRENT APPLICATION NUMBER: US/10/168,424
/ CURRENT FILING DATE: 2003-11-18
/ PRIOR APPLICATION NUMBER: GB 9930708.4
/ PRIOR FILING DATE: 1999-12-24
/ NUMBER OF SEQ ID NOS: 48
/ SOFTWARE: Patent in Ver. 2.1
/ SEQ ID NO 7
/ LENGTH: 14
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-168-424-7

Query Match      38.8%; Score 26; DB 14; Length 14;
Best Local Similarity 40.0%; Pred. No. 5.4e+02;
Matches 4; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY      1 LSDISLKLTS 10
Db      2 MSDVTISCTS 11

RESULT 12
US-10-050-704-327
/ Sequence 327, Application US/10050704
/ Publication No. US20030050442A1
/ GENERAL INFORMATION:
/ APPLICANT: Ruben et al.
/ TITLE OF INVENTION: 62 Human Secreted Proteins
/ FILE REFERENCE: P2039P1
/ CURRENT APPLICATION NUMBER: US/10/050,704
/ CURRENT FILING DATE: 2002-01-18
/ PRIOR APPLICATION NUMBER: 09/684,524
/ PRIOR FILING DATE: 2000-10-10
/ PRIOR APPLICATION NUMBER: PCT/US00/08979
/ PRIOR FILING DATE: 2000-04-06
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/ PRIOR APPLICATION NUMBER: 60/128,693
/ PRIOR FILING DATE: 1999-04-09
/ PRIOR APPLICATION NUMBER: 60/130,991
/ PRIOR FILING DATE: 1999-04-26
/ NUMBER OF SEQ ID NOS: 344
/ SOFTWARE: Patent in Ver. 2.0
/ SEQ ID NO 327
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-050-704-327

Query Match      38.8%; Score 26; DB 14; Length 15;
Best Local Similarity 75.0%; Pred. No. 5.8e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 ISLKLTSK 11
Db      4 ISFTLTSG 11

RESULT 13
US-10-024-652-2178
/ Sequence 2178, Application US/10024652
/ Publication No. US20030219738A1
/ GENERAL INFORMATION:
/ APPLICANT: Agensys, Inc
/ APPLICANT: Challita-Eid, Pia M.
/ APPLICANT: Faris, Mary
/ APPLICANT: Afar, Daniel E.H.
/ APPLICANT: Hubert, Rene S.
/ APPLICANT: Mitchell, Steve Chappell
/ APPLICANT: Levin, Elana
/ APPLICANT: Morrison, Karen Jane Meyrick
/ APPLICANT: Raitano, Arthur B.
/ APPLICANT: Jakobovits, Aya
/ TITLE OF INVENTION: Nucleic Acid and Encoded Zinc
/ TITLE OF INVENTION: Transporter Protein Entitled 108P5H8 Useful in Treatment and
/ TITLE OF INVENTION: Detection of Cancer
/ FILE REFERENCE: 51158-20025.00
/ CURRENT APPLICATION NUMBER: US/10/024,652
/ CURRENT FILING DATE: 2002-06-28
/ PRIOR APPLICATION NUMBER: 60/256,210
/ PRIOR FILING DATE: 2000-12-15
/ NUMBER OF SEQ ID NOS: 2598
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2178
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: homo sapien
US-10-024-652-2178

Query Match      38.1%; Score 25.5; DB 15; Length 15;
Best Local Similarity 46.2%; Pred. No. 7.2e+02;
Matches 6; Conservative 4; Mismatches 2; Indels 1; Gaps 1;

QY      1 LSDISL-KLTSGK 12
Db      2 VEDLNINSLTSGK 14

RESULT 14
US-10-024-652-2368
/ Sequence 2368, Application US/10024652
/ Publication No. US20030219738A1
/ GENERAL INFORMATION:
/ APPLICANT: Agensys, Inc
/ APPLICANT: Challita-Eid, Pia M.
/ APPLICANT: Faris, Mary
/ APPLICANT: Afar, Daniel E.H.
/ APPLICANT: Hubert, Rene S.
/ APPLICANT: Mitchell, Steve Chappell
/ APPLICANT: Levin, Elana
```

; APPLICANT: Morrison, Karen Jane Meyrick  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc  
; TITLE OF INVENTION: Transporter Protein Entitled 108PSH8 Useful in Treatment and  
; TITLE OF INVENTION: Detection of Cancer  
; FILE REFERENCE: 51158-20025.00  
; CURRENT APPLICATION NUMBER: US/10/024,652  
; PRIOR FILING DATE: 2002-06-28  
; PRIOR FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 2598  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2368  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: homo sapien  
US-10-024-652-2368

Query Match 38.1%; Score 25.5; DB 15; Length 15;  
Best Local Similarity 46.2%; Pred. No. 7.2e+02;  
Matches 6; Conservative 4; Mismatches 2; Indels 1; Gaps 1;

QY 1 LSDISL-KITSCK 12  
Db :|:::|  
2 VEDNIWSLTCK 14

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US-10-024-652-2548  
; Sequence 2548, Application US/10024652  
; Publication No. US20030219738A1  
; GENERAL INFORMATION:  
; APPLICANT: Agensys, Inc  
; APPLICANT: Challita-Bid, Pia M.  
; APPLICANT: Faris, Mary  
; APPLICANT: Afar, Daniel E.H.  
; APPLICANT: Hubert, Rene S.  
; APPLICANT: Mitchell, Steve Chappell  
; APPLICANT: Levin, Elana  
; APPLICANT: Morrison, Karen Jane Meyrick  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc  
; TITLE OF INVENTION: Transporter Protein Entitled 108PSH8 Useful in Treatment and  
; TITLE OF INVENTION: Detection of Cancer  
; FILE REFERENCE: 51158-20025.00  
; CURRENT APPLICATION NUMBER: US/10/024,652  
; PRIOR FILING DATE: 2002-06-28  
; PRIOR FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 2598  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2548  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: homo sapien  
US-10-024-652-2548

Query Match 38.1%; Score 25.5; DB 15; Length 15;  
Best Local Similarity 46.2%; Pred. No. 7.2e+02;  
Matches 6; Conservative 4; Mismatches 2; Indels 1; Gaps 1;

QY 1 LSDISL-KITSCK 12  
Db :|:::|  
2 VEDNIWSLTCK 14

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Job time : 36.5 secs

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CM protein - protein search, using sw model  
Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

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Perfect score: 73  
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Scoring table: BLOSUM62  
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Post-processing: Minimum Match 0%  
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result NO.	Query Match	Score	Length	DB ID	Description
1	73	100.0	15	14	US-10-354-240-151
2	51	69.9	15	14	US-10-354-240-150
3	44	60.3	15	14	US-10-354-240-152
4	34	46.6	15	14	US-10-052-788-3
5	33	45.2	10	9	US-09-884-441-435
6	33	45.2	10	10	US-09-907-969-435
7	33	45.2	10	10	US-09-827-271-435
8	33	45.2	10	14	US-10-198-053-435
9	31	42.5	9	12	US-10-367-580-41
10	31	42.5	9	12	US-10-367-593-41
11	31	42.5	9	12	US-10-367-594-41
12	31	42.5	9	12	US-10-367-594-41
13	31	42.5	9	12	US-10-367-658-41
14	31	42.5	9	12	US-10-367-668-41
15	31	42.5	14	14	US-10-261-798-54

16	30	41.1	12	14	US-10-354-240-6	Sequence 6, Appl
17	29	39.7	15	14	US-10-354-240-149	Sequence 149, App
18	27	37.0	14	15	US-10-089-887-54	Sequence 54, Appl
19	26	35.6	8	9	US-09-358-423-40	Sequence 40, Appl
20	26	35.6	8	13	US-10-047-881-40	Sequence 40, Appl
21	26	35.6	14	10	US-09-966-782A-40	Sequence 7, Appl
22	26	35.6	14	14	US-10-168-424-7	Sequence 40, Appl
23	26	35.6	14	14	US-10-254-905-40	Sequence 10, Appl
24	26	35.6	15	12	US-10-253-286-817	Sequence 817, App
25	26	35.6	15	14	US-10-354-240-115	Sequence 115, App
26	26	35.6	15	15	US-10-245-871-817	Sequence 817, App
27	25	34.2	8	10	US-09-983-802-323	Sequence 323, App
28	25	34.2	8	12	US-09-973-278-318	Sequence 318, App
29	25	34.2	8	12	US-09-984-490-323	Sequence 323, App
30	25	34.2	9	9	US-09-918-243-39	Sequence 39, Appl
31	25	34.2	9	9	US-09-918-243-54	Sequence 54, Appl
32	25	34.2	9	9	US-09-918-243-74	Sequence 74, Appl
33	25	34.2	9	9	US-09-905-083-39	Sequence 39, Appl
34	25	34.2	9	9	US-09-905-083-54	Sequence 54, Appl
35	25	34.2	9	9	US-09-905-083-74	Sequence 74, Appl
36	25	34.2	9	12	US-10-372-521-39	Sequence 39, Appl
37	25	34.2	9	12	US-10-372-521-54	Sequence 54, Appl
38	25	34.2	9	12	US-10-372-521-74	Sequence 74, Appl
39	25	34.2	10	10	US-09-572-270A-226	Sequence 226, App
40	25	34.2	10	10	US-09-572-822C-357	Sequence 357, App
41	25	34.2	11	12	US-10-343-654-46	Sequence 46, Appl
42	25	34.2	13	13	US-10-066-151-25	Sequence 25, Appl
43	25	34.2	13	15	US-10-358-052-25	Sequence 25, Appl
44	25	34.2	14	9	US-09-975-143-43	Sequence 43, Appl
45	25	34.2	14	14	US-10-168-424-11	Sequence 11, Appl

ALIGNMENTS

RESULT 1  
US-10-354-240-151  
; Sequence 151, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kinjo, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT FILING DATE: 2003-01-29  
; CURRENT FILING NUMBER: US/10/354,240  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent version 3.1  
; SEQ ID NO 151  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 68  
US-10-354-240-151  
Query Match 100.0%; Score 73; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 6.4e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CKDKLSLISLKLTS 15  
Db 1 CKDKLSLISLKLTS 15



RESULT 2  
US-10-354-240-150  
; Sequence 150, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akimori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 150  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 67  
US-10-354-240-150  
Query Match 69.9%; Score 51; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.041;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CKDIKLSDIS 10  
DB 6 CKDIKLSDIS 15  
US-10-354-240-152  
; Sequence 152, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akimori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 152  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 69  
US-10-354-240-152  
Query Match 60.3%; Score 44; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.67;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 LSDISLKITS 15  
DB 1 LSDISLKITS 10  
RESULT 4  
US-10-052-788-3  
; Sequence 3, Application US/10052788  
; Publication No. US20030087314A1  
; GENERAL INFORMATION:  
; APPLICANT: Gerstwin, Laurel J.  
; APPLICANT: Pettigrew, Howard David  
; APPLICANT: Kalina, Warren V.  
; APPLICANT: The Regents of the University of California  
; TITLE OF INVENTION: Epsilon Immunoglobulin Chain Derived Peptides for  
; TITLE OF INVENTION: Induction of Anti-IGE Antibodies  
; FILE REFERENCE: 023070-121000US  
; CURRENT APPLICATION NUMBER: US/10/052,788  
; CURRENT FILING DATE: 2001-11-08  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:epitope peptide  
; OTHER INFORMATION: P3, Beginning of C1 of equine IGE epsilon heavy  
; OTHER INFORMATION: chain  
US-10-052-788-3  
Query Match 46.6%; Score 34; DB 14; Length 15;  
Best Local Similarity 54.5%; Pred. No. 36;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;  
QY 1 CKDIKLSDISL 11  
DB 5 CKDTKTTNITL 15  
RESULT 5  
US-09-884-441-435  
; Sequence 435, Application US/09884441  
; Patent No. US20020119158A1  
; GENERAL INFORMATION:  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Carter, Darrick  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.462C7  
; CURRENT APPLICATION NUMBER: US/09/884,441  
; CURRENT FILING DATE: 2001-06-18  
; NUMBER OF SEQ ID NOS: 489  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 435  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-884-441-435  
Query Match 45.2%; Score 33; DB 9; Length 10;  
Best Local Similarity 100.0%; Pred. No. 34;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 3 DIKLSDI 9  
DB 4 DIKLSDI 10  
RESULT 6  
US-09-907-969-435  
; Sequence 435, Application US/09907969

```

; Publication No. US20030091580A1
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; APPLICANT: Fling, Steven P.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary Richard
; APPLICANT: Reed, Steven G.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Hill, Paul
; APPLICANT: Albone, Earl
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.462C8
; CURRENT APPLICATION NUMBER: US/09/907,969
; CURRENT FILING DATE: 2001-07-17
; NUMBER OF SEQ ID NOS: 596
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 435
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-907-969-435

Query Match      45.2%; Score 33; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 DIKLSDI 9
      |||||
Db      4 DIKLSDI 10

RESULT 7
US-09-827-271-435
; Sequence 435, Application US/09827271
; Publication No. US20030165504A1
; GENERAL INFORMATION:
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.462C6
; CURRENT APPLICATION NUMBER: US/09/827,271
; CURRENT FILING DATE: 2001-04-04
; NUMBER OF SEQ ID NOS: 461
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 435
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-827-271-435

Query Match      45.2%; Score 33; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 DIKLSDI 9
      |||||
Db      4 DIKLSDI 10

RESULT 8
US-10-198-053-435
; Sequence 435, Application US/10198053
; Publication No. US20030124140A1
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Hill, Paul

; Publication No. US20030091580A1
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; APPLICANT: Fling, Steven P.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary Richard
; APPLICANT: Reed, Steven G.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Hill, Paul
; APPLICANT: Albone, Earl
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.462C8
; CURRENT APPLICATION NUMBER: US/09/907,969
; CURRENT FILING DATE: 2001-07-17
; NUMBER OF SEQ ID NOS: 596
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 435
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-198-053-435

Query Match      45.2%; Score 33; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 DIKLSDI 9
      |||||
Db      4 DIKLSDI 10

RESULT 9
US-10-367-580-41
; Sequence 41, Application US/10367580
; Publication No. US20040071720A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mae H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takeuchi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461061
; CURRENT APPLICATION NUMBER: US/10/367,580
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/794,832
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 41
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
; US-10-367-580-41

Query Match      42.5%; Score 31; DB 12; Length 9;
Best Local Similarity 62.5%; Pred. No. 1e-06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 CKDIKLSD 8
      |::|||
Db      1 CTELKLSD 8

RESULT 10
US-10-367-593-41
; Sequence 41, Application US/10367593
; Publication No. US20040071721A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich

```

APPLICANT: Hoe, Mee H.  
APPLICANT: Houghton, Alan  
APPLICANT: Takechi, Yoshizumi  
APPLICANT: Mayhew, Mark  
TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies  
FILE REFERENCE: 11746/461012  
CURRENT APPLICATION NUMBER: US/10/367,593  
CURRENT FILING DATE: 2003-02-14  
PRIOR FILING DATE: 1998-02-13  
PRIOR APPLICATION NUMBER: US 09/011,645  
PRIOR FILING DATE: 1996-08-16  
PRIOR APPLICATION NUMBER: PCT/US96/13363  
PRIOR FILING DATE: 1996-08-16  
PRIOR APPLICATION NUMBER: US 60/002,490  
PRIOR FILING DATE: 1995-08-18  
PRIOR APPLICATION NUMBER: US 60/002,479  
PRIOR FILING DATE: 1995-08-18  
NUMBER OF SEQ ID NOS: 349  
SOFTWARE: WordPerfect 8.0 for Windows  
SEQ ID NO 41  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: synthetic peptide  
US-10-367-593-41

Query Match 42.5%; Score 31; DB 12; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1e+06;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKLSL 8  
DB 1 CTELKLSL 8

RESULT 11  
US-10-367-594-41  
Sequence 41, Application US/10367594  
Publication No. US20040071722A1  
GENERAL INFORMATION:  
APPLICANT: Rothman, James E.  
APPLICANT: Hartl, F. Ulrich  
APPLICANT: Hoe, Mee H.  
APPLICANT: Houghton, Alan  
APPLICANT: Takechi, Yoshizumi  
APPLICANT: Mayhew, Mark  
TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies  
FILE REFERENCE: 11746/461041  
CURRENT APPLICATION NUMBER: US/10/367,594  
CURRENT FILING DATE: 2003-02-14  
PRIOR FILING DATE: 2000-10-05  
PRIOR APPLICATION NUMBER: US 09/011,645  
PRIOR FILING DATE: 1998-02-13  
PRIOR APPLICATION NUMBER: PCT/US96/13363  
PRIOR FILING DATE: 1996-08-16  
PRIOR APPLICATION NUMBER: US 60/002,490  
PRIOR FILING DATE: 1995-08-18  
PRIOR APPLICATION NUMBER: US 60/002,479  
PRIOR FILING DATE: 1995-08-18  
NUMBER OF SEQ ID NOS: 349  
SOFTWARE: WordPerfect 8.0 for Windows  
SEQ ID NO 41  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: synthetic peptide  
US-10-367-594-41

Query Match 42.5%; Score 31; DB 12; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1e+06;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKLSL 8  
DB 1 CTELKLSL 8

RESULT 12  
US-10-367-654-41  
Sequence 41, Application US/10367654  
Publication No. US20040071723A1  
GENERAL INFORMATION:  
APPLICANT: Rothman, James E.  
APPLICANT: Hartl, F. Ulrich  
APPLICANT: Hoe, Mee H.  
APPLICANT: Houghton, Alan  
APPLICANT: Takechi, Yoshizumi  
APPLICANT: Mayhew, Mark  
TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies  
FILE REFERENCE: 11746/461032  
CURRENT APPLICATION NUMBER: US/10/367,654  
CURRENT FILING DATE: 2003-02-14  
PRIOR APPLICATION NUMBER: US 10/171,734  
PRIOR FILING DATE: 2002-06-13  
PRIOR APPLICATION NUMBER: US 09/636,295  
PRIOR FILING DATE: 2000-08-10  
PRIOR APPLICATION NUMBER: US 09/011,645  
PRIOR FILING DATE: 1998-02-13  
PRIOR APPLICATION NUMBER: PCT/US96/13363  
PRIOR FILING DATE: 1996-08-16  
PRIOR APPLICATION NUMBER: US 60/002,490  
PRIOR FILING DATE: 1995-08-18  
PRIOR APPLICATION NUMBER: US 60/002,479  
PRIOR FILING DATE: 1995-08-18  
NUMBER OF SEQ ID NOS: 349  
SOFTWARE: WordPerfect 8.0 for Windows  
SEQ ID NO 41  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: synthetic peptide  
US-10-367-654-41

Query Match 42.5%; Score 31; DB 12; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1e+06;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKLSL 8  
DB 1 CTELKLSL 8

RESULT 13  
US-10-367-658-41  
Sequence 41, Application US/10367658  
Publication No. US20040071724A1  
GENERAL INFORMATION:  
APPLICANT: Rothman, James E.  
APPLICANT: Hartl, F. Ulrich  
APPLICANT: Hoe, Mee H.  
APPLICANT: Houghton, Alan  
APPLICANT: Takechi, Yoshizumi  
APPLICANT: Mayhew, Mark  
TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies  
FILE REFERENCE: 11746/461051  
CURRENT APPLICATION NUMBER: US/10/367,658  
CURRENT FILING DATE: 2003-02-14  
PRIOR APPLICATION NUMBER: US 09/794,529  
PRIOR FILING DATE: 2001-02-27  
PRIOR APPLICATION NUMBER: US 09/011,645  
PRIOR FILING DATE: 1998-02-13  
PRIOR APPLICATION NUMBER: PCT/US96/13363  
PRIOR FILING DATE: 1996-08-16

; PRIOR APPLICATION NUMBER: US 60/002,490  
; PRIOR FILING DATE: 1995-08-18  
; PRIOR APPLICATION NUMBER: US 60/002,479  
; PRIOR FILING DATE: 1995-08-18  
; NUMBER OF SEQ ID NOS: 349  
; SOFTWARE: WordPerfect 8.0 for Windows  
; SEQ ID NO 41  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic peptide  
US-10-367-668-41

Query Match 42.5%; Score 31; DB 12; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1e+06;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKLSL 8  
| :|||  
Db 1 CTELKLSL 8

RESULT 14  
US-10-367-668-41  
; Sequence 41, Application US/10367668  
; Publication No. US20040071725A1  
; GENERAL INFORMATION:  
; APPLICANT: Rothman, James E.  
; APPLICANT: Hartl, F. Ulrich  
; APPLICANT: Hoe, Mee H.  
; APPLICANT: Houghton, Alan  
; APPLICANT: Takechi, Yoshizumi  
; APPLICANT: Mayhew, Mark  
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies  
; FILE REFERENCE: 11746/461072  
; CURRENT APPLICATION NUMBER: US/10/367,668  
; CURRENT FILING DATE: 2003-02-14  
; PRIOR APPLICATION NUMBER: US 09/794,517  
; PRIOR FILING DATE: 2001-02-27  
; PRIOR APPLICATION NUMBER: US 09/011,645  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: PCT/US96/13363  
; PRIOR FILING DATE: 1996-08-16  
; PRIOR APPLICATION NUMBER: US 60/002,490  
; PRIOR FILING DATE: 1995-08-18  
; PRIOR APPLICATION NUMBER: US 60/002,479  
; PRIOR FILING DATE: 1995-08-18  
; NUMBER OF SEQ ID NOS: 349  
; SOFTWARE: WordPerfect 8.0 for Windows  
; SEQ ID NO 41  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic peptide  
US-10-367-668-41

Query Match 42.5%; Score 31; DB 12; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1e+06;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CKDIKLSL 8  
| :|||  
Db 1 CTELKLSL 8

RESULT 15  
US-10-261-798-54  
; Sequence 54, Application US/10261798  
; Publication No. US20030144477A1  
; GENERAL INFORMATION:  
; APPLICANT: Spack, Edward

; APPLICANT: Arimilli, Subhashini  
; APPLICANT: Deshpande, Shrikant  
; APPLICANT: Wehner, Nancy  
; APPLICANT: Corixa Corporation  
; TITLE OF INVENTION: Immunodominant Acetylcholine Receptor Alpha  
; FILE REFERENCE: 014058-015810US  
; CURRENT APPLICATION NUMBER: US/10/261,798  
; CURRENT FILING DATE: 2002-09-30  
; PRIOR APPLICATION NUMBER: US 60/327,495  
; PRIOR FILING DATE: 2001-10-04  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 54  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: acetylcholine receptor (AChR) alpha peptide  
US-10-261-798-54

Query Match 42.5%; Score 31; DB 14; Length 14;  
Best Local Similarity 63.6%; Pred. No. 1.1e+02;  
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 KDIKLSLISK 12  
| :|||  
Db 1 EDIDISLISK 11

Search completed: April 29, 2004, 10:34:11  
Job time : 30.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-21

Perfect score: 82  
Sequence: 1 IQLKCSDSMPCKDIK 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
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2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PTCUS COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	29	35.4	7	1	US-08-372-952-5
2	29	35.4	7	3	US-08-875-309-5
3	29	35.4	7	5	PCT-US96-00310-5
4	28	34.1	11	4	US-09-628-685-28
5	28	34.1	14	1	US-08-322-962-11
6	28	34.1	14	1	US-08-322-962-12
7	28	34.1	14	3	US-08-450-653-11
8	28	34.1	14	3	US-08-450-653-12
9	28	34.1	15	1	US-08-218-025A-13
10	27	32.9	9	4	US-09-618-259-33
11	27	32.9	11	1	US-08-178-481-121
12	27	32.9	12	3	US-08-750-142B-54
13	27	32.9	10	3	US-10-158-847-108
14	27	32.9	14	4	US-09-428-082B-484
15	27	32.9	14	4	US-09-428-082B-496
16	27	32.9	15	4	US-09-428-082B-481
17	27	32.9	15	4	US-09-428-082B-493
18	27	32.9	15	5	PCT-US93-06751-2
19	26	31.7	7	3	US-09-139-802-101
20	26	31.7	7	3	US-09-139-802-122
21	26	31.7	7	4	US-09-187-859-3606
22	26	31.7	7	4	US-09-659-786-122
23	26	31.7	7	4	US-09-659-786-122
24	26	31.7	7	4	US-09-839-542B-3606
25	26	31.7	7	4	US-08-926-914-101
26	26	31.7	7	4	US-08-926-914-122
27	26	31.7	7	6	US-08-926-914-122
28	26	31.7	7	6	Patent No. 5318899

Sequence 14, Appl  
Sequence 12, Appl  
Sequence 13, Appl  
Sequence 4, Appl  
Sequence 3, Appl  
Sequence 4, Appl  
Sequence 53, Appl  
Sequence 77, Appl  
Sequence 581, App  
Sequence 90, Appl  
Sequence 77, Appl  
Sequence 77, Appl  
Sequence 90, Appl  
Sequence 581, App  
Sequence 581, App  
Patent No. 5318899  
Sequence 323, App

ALIGNMENTS

RESULT 1  
US-08-372-952-5  
; Sequence 5, Application US/08372952  
; Patent No. 5645837  
; GENERAL INFORMATION:  
; APPLICANT: Jameson, Bradford A.  
; APPLICANT: Choksi, Swati  
; APPLICANT: Korgold, Robert  
; TITLE OF INVENTION: CD8 Antagonists  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; STREET: One Liberty Place, 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Wordperfect  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/372,952  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Deluca, Mark  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: TJU-1440  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: Protein  
; US-08-372-952-5

Query Match 35.4%; Score 29; DB 1; Length 7;  
Best Local Similarity 57.1%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CSDSMPC 11  
 Db 1 CSQKPC 7

## RESULT 2

US-08-875-309-5  
 ; Sequence 5, Application US/08875309  
 ; Patent No. 6180600  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jameson, Bradford A.  
 ; APPLICANT: Choksi, Swati  
 ; APPLICANT: Korngold, Robert  
 ; APPLICANT: Huang, Ziwei  
 ; TITLE OF INVENTION: CD8 Antagonists  
 ; NUMBER OF SEQUENCES: 17  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6180500ris  
 ; STREET: One Liberty Place, 46th Floor  
 ; CITY: Philadelphia  
 ; STATE: PA  
 ; COUNTRY: USA  
 ; ZIP: 19103  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Wordperfect  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/875,309  
 ; FILING DATE: 26-NOV-1997  
 ; CLASSIFICATION: 424  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US96/00310  
 ; FILING DATE: 17-JAN-1996  
 ; CLASSIFICATION: 424  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/372,952  
 ; FILING DATE: 17-JAN-1995  
 ; CLASSIFICATION: 424  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: DeLuca, Mark  
 ; REGISTRATION NUMBER: 33,229  
 ; REFERENCE/DOCKET NUMBER: TJU-1772  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 215-568-3100  
 ; TELEFAX: 215-568-3439  
 ; INFORMATION FOR SEQ ID NO: 5:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 7 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: circular  
 ; MOLECULE TYPE: protein  
 ; PCT-US96-00310-5

Query Match 35.4%; Score 29; DB 3; Length 7;  
 Best Local Similarity 57.1%; Pred. No. 3e+05;  
 Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CSDSMPC 11  
 Db 1 CSQKPC 7

## RESULT 3

PCT-US96-00310-5  
 ; Sequence 5, Application PC/TUS9600310  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jameson, Bradford A.  
 ; APPLICANT: Choksi, Swati  
 ; APPLICANT: Korngold, Robert  
 ; APPLICANT: Huang, Ziwei  
 ; TITLE OF INVENTION: CD8 Antagonists

NUMBER OF SEQUENCES: 14  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris  
 ; STREET: One Liberty Place, 46th Floor  
 ; CITY: Philadelphia  
 ; STATE: PA  
 ; COUNTRY: USA  
 ; ZIP: 19103  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Wordperfect  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US96/00310  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/372,952  
 ; FILING DATE: 17-JAN-1995  
 ; CLASSIFICATION:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: DeLuca, Mark  
 ; REGISTRATION NUMBER: 33,229  
 ; REFERENCE/DOCKET NUMBER: TJU-1752  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 215-568-3100  
 ; TELEFAX: 215-568-3439  
 ; INFORMATION FOR SEQ ID NO: 5:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 7 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: circular  
 ; MOLECULE TYPE: protein  
 ; PCT-US96-00310-5

Query Match 35.4%; Score 29; DB 5; Length 7;  
 Best Local Similarity 57.1%; Pred. No. 3e+05;  
 Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CSDSMPC 11  
 Db 1 CSQKPC 7

## RESULT 4

US-09-628-665-28  
 ; Sequence 28, Application US/09628665  
 ; Patent No. 6673771  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Greene, Mark I.  
 ; APPLICANT: Murali, Ramachandran  
 ; APPLICANT: Kinoshita, Masahiko  
 ; TITLE OF INVENTION: Methods of Inhibiting Osteoclast Activity  
 ; FILE REFERENCE: UPN3831  
 ; CURRENT APPLICATION NUMBER: US/09/628,665  
 ; CURRENT FILING DATE: 2000-07-28  
 ; PRIOR APPLICATION NUMBER: 60/146,094  
 ; PRIOR FILING DATE: 1999-07-28  
 ; NUMBER OF SEQ ID NOS: 34  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 28  
 ; LENGTH: 11  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: No. 6673771el Sequence  
 ; US-09-628-665-28

Query Match 34.1%; Score 28; DB 4; Length 11;  
 Best Local Similarity 55.6%; Pred. No. 1.9e+02;  
 Matches 5; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 CSDSMPCKD 13  
| | | | |  
Db 2 CPDSWHCYD 10

## RESULT 5

US-08-322-962-11  
; Sequence 11, Application US/08322962  
; Patent No. 5466785  
; GENERAL INFORMATION:  
; APPLICANT: DeFramond, Annick J  
; TITLE OF INVENTION: Tissue-Preferential Promoters  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CIBA-GEIGY Corporation  
; STREET: 7 Skyline Drive  
; CITY: Hawthorne  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10532  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30B  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/322,962  
; FILING DATE:  
; CLASSIFICATION: 800  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/071,209  
; FILING DATE: 02-JUN-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/508,207  
; FILING DATE: 12-APR-1990  
; NAME: Spruill, W. Murray  
; ATTORNEY/AGENT INFORMATION:  
; REGISTRATION NUMBER: 32,943  
; REFERENCE/DOCKET NUMBER: S-18039/CGC 1479/CONT2  
; TELEPHONE: 919-541-8615  
; TELEFAX: 919-541-8689  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..14  
; OTHER INFORMATION: /note= "carboxy terminus domain  
US-08-322-962-11 containing the cys-x-cys motif of pea metallothionein"

Query Match 34.1%; Score 28; DB 1; Length 14;  
Best Local Similarity 50.0%; Pred. No. 2.4e+02;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 KCSDSMPC 11  
| | | | |  
Db 2 KCGDNCTC 9

## RESULT 6

US-08-322-962-12  
; Sequence 12, Application US/08322962  
; Patent No. 5466785  
; GENERAL INFORMATION:  
; APPLICANT: DeFramond, Annick J  
; TITLE OF INVENTION: Tissue-Preferential Promoters  
; NUMBER OF SEQUENCES: 13

; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CIBA-GEIGY Corporation  
; STREET: 7 Skyline Drive  
; CITY: Hawthorne  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10532  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30B  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/322,962  
; FILING DATE:  
; CLASSIFICATION: 800  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/071,209  
; FILING DATE: 02-JUN-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/508,207  
; FILING DATE: 12-APR-1990  
; NAME: Spruill, W. Murray  
; ATTORNEY/AGENT INFORMATION:  
; REGISTRATION NUMBER: 32,943  
; REFERENCE/DOCKET NUMBER: S-18039/CGC 1479/CONT2  
; TELEPHONE: 919-541-8615  
; TELEFAX: 919-541-8689  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-322-962-12

Query Match 34.1%; Score 28; DB 1; Length 14;  
Best Local Similarity 36.4%; Pred. No. 2.4e+02;  
Matches 4; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 5 CSDSMPCKD 15  
| | | | |  
Db 3 CAGSCKCKECR 13

## RESULT 7

US-08-450-653-11  
; Sequence 11, Application US/08450653  
; Patent No. 6018099  
; GENERAL INFORMATION:  
; APPLICANT: DeFramond, Annick J  
; TITLE OF INVENTION: Tissue-Preferential Promoters  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CIBA-GEIGY Corporation  
; STREET: 7 Skyline Drive  
; CITY: Hawthorne  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10532  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30B  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/450,653  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/322,962

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; FILING DATE:
; PRP APPLICATION DATA:
; APPLICATION NUMBER: US 07/508,207
; FILING DATE: 12-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Spruill, W. Murray
; REGISTRATION NUMBER: 32,943
; REFERENCE/DOCKET NUMBER: S-18039/CGC 1479/CONT2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8615
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..14
; OTHER INFORMATION: /note= "carboxy terminus domain
; OTHER INFORMATION: containing the cys-x-cys motif of pea metallothionein"
US-08-450-653-11

Query Match 34.1%; Score 28; DB 3; Length 14;
Best Local Similarity 50.0%; Pred. No. 2.4e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 KCDSPMC 11
DB 2 KCGDNTC 9

```

```

; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-450-653-12

Query Match 34.1%; Score 28; DB 3; Length 14;
Best Local Similarity 36.4%; Pred. No. 2.4e+02;
Matches 4; Conservative 3; Mismatches 4; Indels 0;

QY 5 CSDSMFCKDIK 15
| : | | | :
Db 3 CAGSCKCKEGR 13

RESULT 9
US-08-218-025A-13
; Sequence 13, Application US/08218025A
; Patent No. 5556744
; GENERAL INFORMATION:
; APPLICANT: Weiner, David B.
; APPLICANT: Ugen, Kenneth E.
; APPLICANT: Williams, William V.
; TITLE OF INVENTION: Methods and Compositions for Diagnosing
; TITLE OF INVENTION: and Treating Certain HIV Infected Patients
; NUMBER OF SEQUENCES: 197
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: P. O. Box 457, 321 No. 5556744ristown Road
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: U.S.A.

```

RESULT 10  
US-09-618-259-33  
; Sequence 33, Application US/09618259



us-09-308-027a-21.closed.ra1

Thu Apr 29 11:08:50 2004

Patent No. 6642013  
 GENERAL INFORMATION:  
 APPLICANT: O'Brien, Timothy J.  
 APPLICANT: Underwood, Lowell J.  
 TITLE OF INVENTION: No. 6642013el Extracellular Serine Protease  
 FILE REFERENCE: D620CIP2  
 CURRENT APPLICATION NUMBER: US/09/618,259  
 CURRENT FILING DATE: 2000-07-18  
 PRIOR APPLICATION NUMBER: US 09/127,444  
 PRIOR FILING DATE: 1998-08-21  
 NUMBER OF SEQ ID NOS: 72  
 SEQ ID NO 33  
 LENGTH: 9  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: Residues 183-191 of the TABG-14 protein  
 US-09-618-259-33

Query Match 32.9%; Score 27; DB 4; Length 9;  
 Best Local Similarity 57.1%; Pred. No. 3e+05; 2; Indels 0;  
 Matches 4; Conservative 1; Mismatches 2; Gaps 0;

QY 4 KCDSMP 10  
 |||:  
 Db 1 KCEDAYP 7

RESULT 11  
 US-08-179-481-121  
 ; Sequence 121, Application US/08179481  
 ; Patent No. 5624816  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARRAWAY, KERMIT L.  
 ; APPLICANT: CAROTHERS CARAWAY, CORALIE A.  
 ; APPLICANT: FREGEN, NEVIS L.  
 ; TITLE OF INVENTION: ONCOGENE PRODUCT LIGAND  
 ; NUMBER OF SEQUENCES: 125  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN  
 ; STREET: 1100 NEW YORK AVENUE, N.W.  
 ; CITY: WASHINGTON  
 ; STATE: D.C.  
 ; COUNTRY: U.S.A.  
 ; ZIP: 20005-3918  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent in Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/179,481  
 ; FILING DATE: 28-DEC-1993  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/922,521  
 ; FILING DATE: 30-JUL-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: KOKULIS, PAUL N.  
 ; REGISTRATION NUMBER: 16,773  
 ; REFERENCE/DOCKET NUMBER: 200702/JM92-08CIP  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (202) 861-3000  
 ; TELEFAX: (202) 822-0944  
 ; TELEX: 6714627 CUSH  
 ; INFORMATION FOR SEQ ID NO: 121:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 11 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; US-08-179-481-121

Query Match 32.9%; Score 27; DB 1; Length 11;  
 Best Local Similarity 33.3%; Pred. No. 2.7e+02;  
 Matches 3; Conservative 5; Mismatches 1; Indels 0;  
 Gaps 0;  
 QY 4 KCDSMPCK 12  
 :|:|:|:  
 Db 3 RCTENVPCK 11

RESULT 12  
 US-08-750-142B-54  
 ; Sequence 54, Application US/08750142B  
 ; Patent No. 6228373  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bergstrand, Hakan  
 ; APPLICANT: Eriksson, Tomas  
 ; APPLICANT: Lindvall, Magnus  
 ; APPLICANT: Sarnstrand, Bergt  
 ; TITLE OF INVENTION: NEW PEPTIDES WITH  
 ; NUMBER OF SEQUENCES: 55  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson, P.C.  
 ; STREET: 225 Franklin Street  
 ; CITY: Boston  
 ; STATE: MA  
 ; COUNTRY: US  
 ; ZIP: 02110-2804  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: Windows95  
 ; SOFTWARE: FastSeq for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/750,142B  
 ; FILING DATE: 25-NOV-1996  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/SE96/00365  
 ; FILING DATE: 22-MAR-1996  
 ; APPLICATION NUMBER: SE9501067-4  
 ; FILING DATE: 24-MAR-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Fraser, Janis K.  
 ; REGISTRATION NUMBER: 34,819  
 ; REFERENCE/DOCKET NUMBER: 06275/062001  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 617-542-5070  
 ; TELEFAX: 617-542-8906  
 ; INFORMATION FOR SEQ ID NO: 54:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 12 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; US-08-750-142B-54

Query Match 32.9%; Score 27; DB 3; Length 12;  
 Best Local Similarity 83.3%; Pred. No. 3e+02;  
 Matches 5; Conservative 0; Mismatches 1; Indels 0;  
 Gaps 0;

QY 10 PCKDIX 15  
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 Db 4 PCKMIK 9

RESULT 13  
 US-10-158-847-108  
 ; Sequence 108, Application US/10158847  
 ; Patent No. 6592865  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tom Parry et al.  
 ; TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity

; FILE REFERENCE: PF557  
; CURRENT APPLICATION NUMBER: US/10/158,847  
; CURRENT FILING DATE: 2002-06-03  
; PRIOR APPLICATION NUMBER: 60/295,004  
; PRIOR FILING DATE: 2001-06-04  
; NUMBER OF SEQ ID NOS: 158  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 108  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-158-847-108

Query Match 32.9%; Score 27; DB 4; Length 13;  
Best Local Similarity 40.0%; Pred. No. 3.2e+02;  
Matches 4; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 5 CSDSMPCKDI 14  
Db 4 CFDPKDEL 13

RESULT 14  
US-09-428-082B-484  
; Sequence 484, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428,082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 484  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE  
US-09-428-082B-484

Query Match 32.9%; Score 27; DB 4; Length 14;  
Best Local Similarity 80.0%; Pred. No. 3.5e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MPCKD 13  
Db 1 MPCKN 5

RESULT 15  
US-09-428-082B-496  
; Sequence 496, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428,082B  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 496  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: SOMATOSTATIN OR CORTISTATIN MIMETIC PEPTIDE  
US-09-428-082B-496

Query Match 32.9%; Score 27; DB 4; Length 14;  
Best Local Similarity 80.0%; Pred. No. 3.5e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MPCKD 13  
Db 1 MPCKN 5

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Job time : 11.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-20

Perfect score: 74

Sequence: 1 ATRAAIQLKSDSMP 15

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Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

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Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 2: /cgn2\_6/ptodata/2/iaa/5B-COMB.pep.\*
- 3: /cgn2\_6/ptodata/2/iaa/6A-COMB.pep.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B-COMB.pep.\*
- 5: /cgn2\_6/ptodata/2/iaa/PGTUS-COMB.pep.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	* Match	Query Length	DB ID	Description
1	28	37.8	13	1	US-08-305-871A-29
2	28	37.8	15	1	US-08-218-025A-13
3	27	36.5	9	4	US-09-618-259-33
4	26	35.1	15	4	US-09-568-474-3
5	26	35.1	15	4	US-09-568-474-4
6	25	33.8	7	2	US-08-232-39D-53
7	25	33.8	7	3	US-08-851-843A-77
8	25	33.8	7	3	US-08-974-549A-581
9	25	33.8	7	3	US-08-854-050-77
10	25	33.8	7	4	US-09-430-323-77
11	25	33.8	7	4	US-09-402-181B-581
12	25	33.8	7	4	US-09-721-456-581
13	25	33.8	12	2	US-08-164-292B-34
14	25	33.8	12	3	US-08-845-623-34
15	25	33.8	12	3	US-08-815-927-34
16	25	33.8	12	4	US-09-103-330-34
17	25	33.8	12	4	US-09-435-242-34
18	25	33.8	14	2	US-08-883-070-4
19	24	32.4	9	4	US-09-618-259-55
20	24	32.4	13	1	US-08-305-871A-19
21	24	32.4	13	3	US-09-155-941-19
22	24	32.4	13	3	US-09-155-941-20
23	24	32.4	13	4	US-08-788-822A-23
24	24	32.4	14	4	US-08-754-477A-34
25	24	32.4	15	1	US-08-306-231-15
26	24	32.4	15	1	US-08-355-888A-31
27	24	32.4	15	2	US-08-693-697-31

28 24 32.4 15 2 US-08-553-357A-64  
29 24 32.4 15 3 US-08-693-696-31  
30 24 32.4 15 3 US-09-457-046B-29  
31 24 32.4 15 4 US-09-357-914-31  
32 24 32.4 15 4 US-09-441-992-64  
33 23 31.1 9 3 US-08-159-339A-143  
34 23 31.1 11 1 US-08-179-481-121  
35 23 31.1 12 6 5187077-33  
36 23 31.1 12 6 5427925-31  
37 23 31.1 13 4 US-09-205-258-927  
38 23 31.1 13 5 PCT-US95-04121-19  
39 23 31.1 14 2 US-08-459-568-68  
40 23 31.1 14 2 US-08-399-411-68  
41 23 31.1 14 3 US-08-516-859A-68  
42 23 31.1 14 4 US-09-586-472-68  
43 23 31.1 14 4 US-09-528-706-68  
44 22.5 30.4 15 3 US-08-912-276-19  
45 22 29.7 8 1 US-08-704-170-40

ALIGNMENTS

RESULT 1  
US-08-305-871A-29  
; Sequence 29, Application US/08305871A  
; Patent No. 5736142  
; GENERAL INFORMATION:  
; APPLICANT: Sette, Alessandro  
; APPLICANT: Gaeta, Federico  
; APPLICANT: Grey, Howard M.  
; APPLICANT: Sidney, John  
; APPLICANT: Alexander, Jeffrey L.  
; TITLE OF INVENTION: Alteration of Immune Response Using Pan  
; TITLE OF INVENTION: DR-Binding Peptides  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/305,871A  
; FILING DATE: 14-SEP-1994  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/121,101  
; FILING DATE: 14-SEP-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bastian, Kevin L.  
; REGISTRATION NUMBER: 34,774  
; REFERENCE/DOCKET NUMBER: 14137-0062-10  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 29:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 13 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1..13  
; OTHER INFORMATION: /note= "peptide wherein X is

RESULT 3  
US-09-618-259-33  
; Sequence 33, Application US/09618259  
; Patent No. 6642013  
; GENERAL INFORMATION:  
; APPLICANT: O'Brien, Timothy J.  
; APPLICANT: Underwood, Lowell J.

```

; GENERAL INFORMATION:
; APPLICANT: Marks, Andrew R.*
; TITLE OF INVENTION: Controlling Pathways That Regulate Muscle Contraction
; TITLE OF INVENTION: In The Heart
; FILE REFERENCE: 0575/61134/JPW/ADM
; CURRENT APPLICATION NUMBER: US/09/568,474
; CURRENT FILING DATE: 2000-05-10

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, CURRENT APPLICATION NUMBER: US/09/568,474
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, CURRENT FILING DATE: 2000-05-10
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, NUMBER OF SEQ ID NOS: 5
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, SOFTWARE: Patentin Ver. 2.1
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, SEQ ID NO 4
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, LENGTH: 15
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, TYPE: PRT
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)..(15)
; OTHER INFORMATION: Kbp12 binding site in IP3R2, starting at amino
; OTHER INFORMATION: acid sequence 1390
US-09-568-474-4

Query Match          35.1%; Score 26; DB 4; Length 15;
Best Local Similarity 33.3%; Pred. No. 1.7e+02;
Matches 3; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 7 QLKCDSDMP 15
Db 5 EIXCNLLP 13

RESULT 6
US-08-232-539D-53
; Sequence 53, Application US/08232539D
; Patent No. 5965709
; GENERAL INFORMATION:
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; TITLE OF INVENTION: Ige Antagonists
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,539D
; FILING DATE: 21-Apr-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/178593
; FILING DATE: 07-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744768
; FILING DATE: 14-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P071893
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-232-539D-53

Query Match          33.8%; Score 25; DB 2; Length 7;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 10 CSDSMP 15
Db 1 CADSNP 6

RESULT 7
US-08-851-843A-77
; Sequence 77, Application US/08851843A
; Patent No. 6093809
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: No. 6093809el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,843A
; FILING DATE: 06-MAY-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-0029300S
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-851-843A-77

Query Match          33.8%; Score 25; DB 3; Length 7;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 10 CSDSMP 15
Db 1 CVDSP 6

RESULT 8
US-08-974-549A-581
; Sequence 581, Application US/08974549A
; Patent No. 6166178
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru

```

APPLICANT: Chapman, Karen B.  
APPLICANT: Morin, Gregg B.  
APPLICANT: Harley, Calvin B.  
APPLICANT: Andrews, William H.  
TITLE OF INVENTION: Human telomerase Catalytic Subunit  
NUMBER OF SEQUENCES: 727  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/974,549A  
FILING DATE: 19-NOV-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/844,419  
FILING DATE: 18-APR-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/846,017  
FILING DATE: 25-APR-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/854,050  
FILING DATE: 09-MAY-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/911,312  
FILING DATE: 14-AUG-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/912,951  
FILING DATE: 14-AUG-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/915,503  
FILING DATE: 14-AUG-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/17618  
FILING DATE: 01-OCT-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/17885  
FILING DATE: 01-OCT-1997  
NAME: Apple, Randolph T.  
REGISTRATION NUMBER: 36,429  
REFERENCE/DOCKET NUMBER: 015389-002610US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 581:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-974-549A-581

Query Match 33.8%; Score 25; DB 3; Length 7;  
Best Local Similarity 66.7%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0;

QY 10 CDSMP 15

DB 1 CYDSIP 6

RESULT 9  
US-08-854-050-77  
Sequence 77, Application US/08854050  
Patent No. 6261836  
GENERAL INFORMATION:  
APPLICANT: Cech, Thomas R.  
APPLICANT: Lingner, Joachim  
APPLICANT: Nakamura, Toru  
APPLICANT: Chapman, Karen B.  
APPLICANT: Morin, Gregg B.  
APPLICANT: Harley, Calvin  
APPLICANT: Andrews, William H.  
TITLE OF INVENTION: No. 6261836el Telomerase  
NUMBER OF SEQUENCES: 225  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: United States of America  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/854,050  
FILING DATE: 09-MAY-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/846,017  
FILING DATE: 25-APR-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/844,419  
FILING DATE: 18-APR-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Apple, Randolph T.  
REGISTRATION NUMBER: 36,429  
REFERENCE/DOCKET NUMBER: 015389-002930US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 77:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-854-050-77

Query Match 33.8%; Score 25; DB 3; Length 7;  
Best Local Similarity 66.7%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0;

QY 10 CDSMP 15

DB 1 CYDSIP 6

RESULT 10  
US-09-430-323-77

; Sequence 77, Application US/09430323  
; Patent No. 6309867

GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.

; Lingner, Joachim  
; Nakamura, Toru

; Chapman, Karen B.  
; Morin, Gregg B.

; Harley, Calvin  
; Andrews, William H.

TITLE OF INVENTION: No. 6309867el Telomerase

NUMBER OF SEQUENCES: 225

CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP

; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco

; STATE: California  
; COUNTRY: United States of America

; ZIP: 94111

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/430.323

; FILING DATE: 29-Oct-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/854,050

; FILING DATE: 09-MAY-1997

; APPLICATION NUMBER: US 08/851,843

; FILING DATE: 06-MAY-1997

; APPLICATION NUMBER: US 08/846,017

; FILING DATE: 25-APR-1997

; APPLICATION NUMBER: US 08/844,419

; FILING DATE: 18-APR-1997

; APPLICATION NUMBER: US 08/724,643

; FILING DATE: 01-OCT-1996

ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph T.

; REGISTRATION NUMBER: 36,429

; REFERENCE/DOCKET NUMBER: 015389-002930US

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200

; TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 77:  
; SEQUENCE CHARACTERISTICS:

LENGTH: 7 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: <Unknown>  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 77:

Query Match 33.8%; Score 25; DB 4; Length 7;  
Best Local Similarity 66.7%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0;

QY 10 CSDSMP 15  
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Db 1 CYDSIP 6

RESULT 11  
US-09-402-181B-581  
; Sequence 581, Application US/09402181B  
; Patent No. 6610839

GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.

; Lingner, Joachim  
; Nakamura, Toru

; Chapman, Karen B.  
; Morin, Gregg B.

; Harley, Calvin B.  
; Andrews, William H.

TITLE OF INVENTION: Human Telomerase Catalytic Subunit

NUMBER OF SEQUENCES: 633

CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP

; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco

; STATE: California  
; COUNTRY: USA

; ZIP: 94111-3834

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/402.181B

; FILING DATE: 29-Sep-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/724,643

; FILING DATE: 01-OCT-1996

; APPLICATION NUMBER: US 08/844,419

; FILING DATE: 18-APR-1997

; APPLICATION NUMBER: US 08/846,017

; FILING DATE: 25-APR-1997

; APPLICATION NUMBER: US 08/851,843

; FILING DATE: 06-MAY-1997

; APPLICATION NUMBER: US 08/854,050

; FILING DATE: 09-MAY-1997

; APPLICATION NUMBER: US 08/911,312

; FILING DATE: 14-AUG-1997

; APPLICATION NUMBER: US 08/912,951

; FILING DATE: 14-AUG-1997

; APPLICATION NUMBER: US 08/915,503

; FILING DATE: 14-AUG-1997

; APPLICATION NUMBER: WO PCT/US97/17885

; FILING DATE: 01-OCT-1997

ATTORNEY/AGENT INFORMATION:  
; NAME: Ausehus, Scott L.

; REGISTRATION NUMBER: 42,271

Query Match 33.8%; Score 25; DB 4; Length 7;  
Best Local Similarity 66.7%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0;

QY 10 CSDSMP 15  
| | | | |  
Db 1 CYDSIP 6

RESULT 12  
US-09-721-456-581

Sequence 581, Application US/09721456  
Patent No. 6617110  
GENERAL INFORMATION:  
APPLICANT: Cech, Thomas R.  
Lingner, Joachim  
Nakamura, Toru  
Chapman, Karen B.  
Morin, Gregg B.  
Harley, Calvin B.  
Andrews, William H.  
TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
NUMBER OF SEQUENCES: 727  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09721456  
FILING DATE: 22-NOV-1997  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/974,549A  
FILING DATE: 19-NOV-1997  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
APPLICATION NUMBER: US 08/844,419  
FILING DATE: 18-APR-1997  
APPLICATION NUMBER: US 08/846,017  
FILING DATE: 25-APR-1997  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
APPLICATION NUMBER: US 08/854,050  
FILING DATE: 09-MAY-1997  
APPLICATION NUMBER: US 08/911,312  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: US 08/912,951  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: US 08/915,503  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: WO PCT/US97/17618  
FILING DATE: 01-OCT-1997  
APPLICATION NUMBER: WO PCT/US97/17885  
FILING DATE: 01-OCT-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Apple, Randolph Ted  
REGISTRATION NUMBER: 36,429  
REFERENCE/DOCKET NUMBER: 01389-002610US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 581:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 581:  
US-09-721-456-581

Query Match 33.8%; Score 25; DB 4; Length 7;  
Best Local Similarity 66.7%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 10 CSDSMP 15

Db 1 CYDSIP 6  
RESULT 13  
US-08-164-292B-34  
Sequence 34, Application US/08164292B  
Patent No. 5820868  
GENERAL INFORMATION:  
APPLICANT: MITTAL, SURESH K.  
APPLICANT: GRAHAM, FRANK L.  
APPLICANT: PREVEC, LUDVIK  
APPLICANT: BABIUK, LORNE A.  
TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE  
TITLE OF INVENTION: ADENOVIRUS EXPRESSION VECTOR SYSTEM  
NUMBER OF SEQUENCES: 34  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 345 California Street  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94104-2675  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/164,292B  
FILING DATE: 09-DEC-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: GRACEY, NANCY J.  
REGISTRATION NUMBER: 28,216  
REFERENCE/DOCKET NUMBER: 29310-20021.00  
TELEPHONE: (415) 677-7000  
TELEFAX: (415) 677-7522  
TELEX: 34-0154  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-164-292B-34  
Query Match 33.8%; Score 25; DB 2; Length 12;  
Best Local Similarity 30.0%; Pred. No. 2e+02;  
Matches 3; Conservative 4; Mismatches 3; Indels 0; Gaps 0;  
QY 6 IOLKCSDSMP 15  
Db 1 VDLECHEVLP 10  
RESULT 14  
US-08-845-623-34  
Sequence 34, Application US/08845623A  
Patent No. 6001591  
GENERAL INFORMATION:  
APPLICANT: BABIUK, LORNE A.  
APPLICANT: TIKOO, SURESH K.  
APPLICANT: REDDY, POLICE S.  
TITLE OF INVENTION: BOVINE ADENOVIRUS 3 GENOME  
FILE REFERENCE: 293102002120  
CURRENT APPLICATION NUMBER: US/08/845,623A  
CURRENT FILING DATE: 1997-04-25  
EARLIER APPLICATION NUMBER: 08/164,294  
EARLIER FILING DATE: 1993-12-09  
NUMBER OF SEQ ID NOS: 34  
SOFTWARE: Patent in Ver. 2.0



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; SEQ ID NO 34
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Bovine adenovirus type 3
US-08-845-623-34

Query Match      33.8%; Score 25; DB 3; Length 12;
Best Local Similarity 30.0%; Pred. No. 2e+02;
Matches 3; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      6 IQLKCSDSMP 15
Db      1 VDLECHEVLP 10

RESULT 15
US-08-815-927-34
; Sequence 34, Application US/08815927
; Patent No. 6086890
; GENERAL INFORMATION:
; APPLICANT: MITTAL, SURESH K.
; APPLICANT: GRAHAM, FRANK L.
; APPLICANT: PREVIC, LUDVIK
; APPLICANT: BABLUK, LORNE A.
; TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE ADENOVIRUS EXPRESSION
; TITLE OF INVENTION: VECTOR SYSTEM
; FILE REFERENCE: 293102002101
; CURRENT APPLICATION NUMBER: US/08/815,927
; CURRENT FILING DATE: 1997-03-13
; EARLIER APPLICATION NUMBER: 08/164,294
; EARLIER FILING DATE: 1993-12-09
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Bovine adenovirus type 3
US-08-815-927-34

Query Match      33.8%; Score 25; DB 3; Length 12;
Best Local Similarity 30.0%; Pred. No. 2e+02;
Matches 3; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      6 IQLKCSDSMP 15
Db      1 VDLECHEVLP 10

Search completed: April 29, 2004, 09:27:35
Job time : 12.85 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)

134.776 Million cell updates/sec

Title: US-09-308-027A-21

Perfect score: 82

Sequence: 1 IQKCSDSMPCKDIK 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications\_AA:

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2: /cgn2\_6/ptodata/2/pubpaa/PTCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/PTCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	82	100.0	15	14	US-10-354-240-149
2	55	67.1	15	14	US-10-354-240-150
3	53	64.6	15	14	US-10-354-240-148
4	32	39.0	11	14	US-10-072-602B-507
5	30	36.6	12	10	US-09-910-009A-463
6	30	36.6	12	9	US-09-949-375A-14
7	29	35.4	14	10	US-09-910-009A-390
8	29	35.4	14	10	US-09-910-009A-391
9	29	35.4	14	10	US-09-910-009A-392
10	29	35.4	15	14	US-10-354-240-151
11	28	34.1	10	10	US-09-572-404B-2387
12	28	34.1	10	10	US-09-572-404B-2399
13	28	34.1	10	10	US-09-572-404B-2485
14	28	34.1	10	10	US-09-572-404B-2543
15	28	34.1	10	10	US-09-573-822C-391

16 28 34.1 13 10 US-09-910-009A-416 Sequence 416, App  
17 28 34.1 15 10 US-09-910-009A-387 Sequence 387, App  
18 27 32.9 7 9 US-09-884-767A-63 Sequence 63, App1  
19 27 32.9 7 14 US-10-190-082-44 Sequence 44, App1  
20 27 32.9 9 9 US-09-796-234-33 Sequence 33, App1  
21 27 32.9 9 14 US-10-461-787-33 Sequence 25, App1  
22 27 32.9 10 15 US-10-117-937-205 Sequence 205, App  
23 27 32.9 13 14 US-10-158-847-108 Sequence 108, App  
24 27 32.9 13 14 US-10-158-825-108 Sequence 108, App  
25 27 32.9 14 12 US-10-609-217-484 Sequence 484, App  
26 27 32.9 14 12 US-10-609-217-496 Sequence 496, App  
27 27 32.9 14 12 US-10-632-388-484 Sequence 484, App  
28 27 32.9 14 12 US-10-632-388-496 Sequence 496, App  
29 27 32.9 14 12 US-10-651-723-484 Sequence 484, App  
30 27 32.9 14 12 US-10-651-723-496 Sequence 496, App  
31 27 32.9 14 12 US-10-645-761-484 Sequence 484, App  
32 27 32.9 14 12 US-10-645-761-496 Sequence 496, App  
33 27 32.9 14 16 US-10-666-696-484 Sequence 484, App  
34 27 32.9 14 16 US-10-666-696-496 Sequence 496, App  
35 27 32.9 15 12 US-10-609-217-481 Sequence 481, App  
36 27 32.9 15 12 US-10-609-217-493 Sequence 493, App  
37 27 32.9 15 12 US-10-632-388-481 Sequence 481, App  
38 27 32.9 15 12 US-10-632-388-493 Sequence 493, App  
39 27 32.9 15 12 US-10-651-723-481 Sequence 481, App  
40 27 32.9 15 12 US-10-651-723-493 Sequence 493, App  
41 27 32.9 15 12 US-10-645-761-481 Sequence 481, App  
42 27 32.9 15 12 US-10-645-761-493 Sequence 493, App  
43 27 32.9 15 14 US-10-354-240-147 Sequence 147, App  
44 27 32.9 15 16 US-10-666-696-481 Sequence 481, App  
45 27 32.9 15 16 US-10-666-696-493 Sequence 493, App

#### ALIGNMENTS

#### RESULT 1

US-10-354-240-149  
; Sequence 149, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daiiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent version 3.1  
; SEQ ID NO 149  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 56  
US-10-354-240-149

Query Match 100.0%; Score 82; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.9e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IQKCSDSMPCKDIK 15

Db 1 IQKCSDSMPCKDIK 15

RESULT 2  
US-10-354-240-150  
; Sequence 150, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 150  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 67  
US-10-354-240-150  
Query Match 67.1%; Score 55; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.054; Mismatches 0; Indels 0; Gaps 0;  
Matches 10; Conservative 0;  
QY 6 SDSMPCKDIK 15  
DB 1 SDSMPCKDIK 10  
RESULT 3  
US-10-354-240-148  
; Sequence 148, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 148  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 65  
US-10-354-240-148  
Query Match 64.6%; Score 53; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.11; Mismatches 0; Indels 0; Gaps 0;  
Matches 10; Conservative 0;

QY 1 IQLKCSDSMP 10  
DB 6 IQLKCSDSMP 15  
RESULT 4  
US-10-072-602B-507  
; Sequence 507, Application US/10072602B  
; Publication No. US20030109570A1  
; GENERAL INFORMATION:  
; APPLICANT: University of Utah Research Foundation  
; APPLICANT: Cognetix, Inc.  
; APPLICANT: Olivera, Baldomero M.  
; APPLICANT: McIntosh, J. Michael  
; APPLICANT: Watkins, Maren  
; APPLICANT: Garrett, James E.  
; APPLICANT: Cruz, Lourdes J.  
; APPLICANT: Grilley, Michelle  
; APPLICANT: Schoenfeld, Robert M.  
; APPLICANT: Walker, Craig  
; APPLICANT: Shetty, Rashma  
; APPLICANT: Jones, Robert M.  
; TITLE OF INVENTION: Cone Snail Peptides  
; FILE REFERENCE: 2314-249  
; CURRENT APPLICATION NUMBER: US/10/072,602B  
; CURRENT FILING DATE: 2002-02-11  
; PRIOR APPLICATION NUMBER: US 60/267,408  
; PRIOR FILING DATE: 2001-02-09  
; NUMBER OF SEQ ID NOS: 638  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 507  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Conus betulinus  
US-10-072-602B-507  
Query Match 39.0%; Score 32; DB 14; Length 11;  
Best Local Similarity 71.4%; Pred. No. 1.7e+02; Mismatches 2; Indels 0; Gaps 0;  
Matches 5; Conservative 0;  
QY 5 CSDSMPC 11  
DB 3 CPDSPPC 9  
RESULT 5  
US-09-910-009A-463  
; Sequence 463, Application US/09910009A  
; Publication No. US20030050234A1  
; GENERAL INFORMATION:  
; APPLICANT: University of Utah Research Foundation  
; APPLICANT: Cognetix, Inc.  
; APPLICANT: Olivera, Baldomero M.  
; APPLICANT: McIntosh, J. Michael  
; APPLICANT: Garrett, James E.  
; APPLICANT: Watkins, Maren  
; APPLICANT: Cruz, Lourdes J.  
; APPLICANT: Shon, Ki-Joon  
; APPLICANT: Jacobsen, Richard  
; APPLICANT: Jones, Robert M.  
; APPLICANT: Cartier, G. Edward  
; APPLICANT: Shen, Greg S.  
; APPLICANT: Wagstaff, John D.  
; TITLE OF INVENTION: Mu-Conopeptides  
; FILE REFERENCE: 2314-242  
; CURRENT APPLICATION NUMBER: US/09/910,009A  
; CURRENT FILING DATE: 2001-07-23  
; PRIOR APPLICATION NUMBER: US 60/219,619  
; PRIOR FILING DATE: 2000-07-21  
; PRIOR APPLICATION NUMBER: US 60/245,157  
; PRIOR FILING DATE: 2000-11-03  
; PRIOR APPLICATION NUMBER: US 60/264,319

; PRIOR FILING DATE: 2001-01-29  
 ; PRIOR APPLICATION NUMBER: US 60/277,270  
 ; PRIOR FILING DATE: 2001-03-21  
 ; NUMBER OF SEQ ID NOS: 520  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 463  
 ; LENGTH: 12  
 ; TYPE: PRT  
 ; ORGANISM: Conus spurius  
 US-09-910-009A-463

Query Match 36.6%; Score 30; DB 10; Length 12;  
 Best Local Similarity 50.0%; Pred. No. 3.8e+02;  
 Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 KCSDSMP 11  
 :||: ||  
 Db 4 RCSEGNPC 11

RESULT 6  
 US-09-949-375A-14  
 ; Sequence 14, Application US/09949375A  
 ; Patent No. US20020172673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KLYSNER, Steen et al.  
 ; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING ICE  
 ; FILE REFERENCE: 3631-0111P  
 ; CURRENT APPLICATION NUMBER: US/09/949,375A  
 ; CURRENT FILING DATE: 2002-01-18  
 ; NUMBER OF SEQ ID NOS: 38  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 14  
 ; LENGTH: 14  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Synthetic amino acid sequence of SEQ ID NO: 13.  
 US-09-949-375A-14

Query Match 36.6%; Score 30; DB 9; Length 14;  
 Best Local Similarity 71.4%; Pred. No. 4.5e+02;  
 Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 4 KCSDSMP 10  
 ||: ||  
 Db 4 KCADSNP 10

RESULT 7  
 US-09-910-009A-390  
 ; Sequence 390, Application US/09910009A  
 ; Publication No. US20030050234A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: University of Utah Research Foundation  
 ; APPLICANT: Cognetix, Inc.  
 ; APPLICANT: Olivera, Baldomero M.  
 ; APPLICANT: McIntosh, J. Michael  
 ; APPLICANT: Garrett, James E.  
 ; APPLICANT: Watkins, Maren  
 ; APPLICANT: Cruz, Lourdes J.  
 ; APPLICANT: Shon, Ki-Joon  
 ; APPLICANT: Jacobsen, Richard  
 ; APPLICANT: Jones, Robert M.  
 ; APPLICANT: Cartier, G. Edward  
 ; APPLICANT: Shen, Greg S.  
 ; APPLICANT: Wagstaff, John D.  
 ; TITLE OF INVENTION: Mu-Conopeptides  
 ; FILE REFERENCE: 2314-242  
 ; CURRENT APPLICATION NUMBER: US/09/910,009A  
 ; CURRENT FILING DATE: 2001-07-23  
 ; PRIOR APPLICATION NUMBER: US 60/219,619  
 ; PRIOR FILING DATE: 2000-07-21

; PRIOR APPLICATION NUMBER: US 60/245,157  
 ; PRIOR FILING DATE: 2000-11-03  
 ; PRIOR APPLICATION NUMBER: US 60/264,319  
 ; PRIOR FILING DATE: 2001-01-29  
 ; PRIOR APPLICATION NUMBER: US 60/277,270  
 ; PRIOR FILING DATE: 2001-03-21  
 ; NUMBER OF SEQ ID NOS: 520  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 390  
 ; LENGTH: 14  
 ; TYPE: PRT  
 ; ORGANISM: Conus betulinus  
 US-09-910-009A-390

Query Match 35.4%; Score 29; DB 10; Length 14;  
 Best Local Similarity 57.1%; Pred. No. 6.4e+02;  
 Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 CSDSMP 11  
 : ||:  
 Db 6 CTCMPC 12

RESULT 8  
 US-09-910-009A-391  
 ; Sequence 391, Application US/09910009A  
 ; Publication No. US20030050234A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: University of Utah Research Foundation  
 ; APPLICANT: Cognetix, Inc.  
 ; APPLICANT: Olivera, Baldomero M.  
 ; APPLICANT: McIntosh, J. Michael  
 ; APPLICANT: Garrett, James E.  
 ; APPLICANT: Watkins, Maren  
 ; APPLICANT: Cruz, Lourdes J.  
 ; APPLICANT: Shon, Ki-Joon  
 ; APPLICANT: Jacobsen, Richard  
 ; APPLICANT: Jones, Robert M.  
 ; APPLICANT: Cartier, G. Edward  
 ; APPLICANT: Shen, Greg S.  
 ; APPLICANT: Wagstaff, John D.  
 ; TITLE OF INVENTION: Mu-Conopeptides  
 ; FILE REFERENCE: 2314-242  
 ; CURRENT APPLICATION NUMBER: US/09/910,009A  
 ; CURRENT FILING DATE: 2001-07-23  
 ; PRIOR APPLICATION NUMBER: US 60/219,619  
 ; PRIOR FILING DATE: 2000-07-21  
 ; PRIOR APPLICATION NUMBER: US 60/245,157  
 ; PRIOR FILING DATE: 2000-11-03  
 ; PRIOR APPLICATION NUMBER: US 60/264,319  
 ; PRIOR FILING DATE: 2001-01-29  
 ; PRIOR APPLICATION NUMBER: US 60/277,270  
 ; PRIOR FILING DATE: 2001-03-21  
 ; NUMBER OF SEQ ID NOS: 520  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 391  
 ; LENGTH: 14  
 ; TYPE: PRT  
 ; ORGANISM: Conus betulinus  
 ; FEATURE:  
 ; NAME/KEY: PEPTIDE  
 ; LOCATION: (1)..(14)  
 ; OTHER INFORMATION: Xaa is Glu or gamma-carboxy Glu  
 US-09-910-009A-391

Query Match 35.4%; Score 29; DB 10; Length 14;  
 Best Local Similarity 57.1%; Pred. No. 6.4e+02;  
 Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 CSDSMP 11  
 : ||:  
 Db 7 CTCMPC 13

RESULT 9  
US-09-910-009A-392  
; Sequence 392, Application US/09910009A  
; Publication No. US20030050234A1  
; GENERAL INFORMATION:  
; APPLICANT: University of Utah Research Foundation  
; APPLICANT: Cognetix, Inc.  
; APPLICANT: Olivera, Baldomero M.  
; APPLICANT: McIntosh, J. Michael  
; APPLICANT: Garrett, James E.  
; APPLICANT: Watkins, Maren  
; APPLICANT: Cruz, Lourdes J.  
; APPLICANT: Shon, Ki-Joon  
; APPLICANT: Jacobsen, Richard  
; APPLICANT: Jones, Robert M.  
; APPLICANT: Cartier, G. Edward  
; APPLICANT: Shen, Greg S.  
; APPLICANT: Wagstaff, John D.  
; TITLE OF INVENTION: Mu-Conopeptides  
; FILE REFERENCE: 2314-242  
; CURRENT APPLICATION NUMBER: US/09/910,009A  
; CURRENT FILING DATE: 2001-07-23  
; PRIOR APPLICATION NUMBER: US 60/219,619  
; PRIOR FILING DATE: 2000-07-21  
; PRIOR APPLICATION NUMBER: US 60/245,157  
; PRIOR FILING DATE: 2000-11-03  
; PRIOR APPLICATION NUMBER: US 60/264,319  
; PRIOR FILING DATE: 2001-01-29  
; PRIOR APPLICATION NUMBER: US 60/277,270  
; PRIOR FILING DATE: 2001-03-21  
; NUMBER OF SEQ ID NOS: 520  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 392  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Conus betulinus  
US-09-910-009A-392

Query Match 35.4%; Score 29; DB 10; Length 14;  
Best Local Similarity 57.1%; Pred. No. 6.4e+02;  
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 CSDSMPC 11  
| : |||  
DB 6 CTTCMPC 12

RESULT 10  
US-10-354-240-151  
; Sequence 151, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akimori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kousuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 151  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:

; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 68  
US-10-354-240-151

Query Match 35.4%; Score 29; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 6.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 CKDIK 15  
| : |||  
DB 1 CKDIK 5

RESULT 11  
US-09-572-404B-2387  
; Sequence 2387, Application US/09572404B  
; Publication No. US20030078374A1  
; GENERAL INFORMATION:  
; APPLICANT: Proteom Ltd  
; TITLE OF INVENTION: Complementary peptide ligands from the human genome  
; FILE REFERENCE: Human patent  
; CURRENT APPLICATION NUMBER: US/09/572,404B  
; CURRENT FILING DATE: 2000-05-17  
; NUMBER OF SEQ ID NOS: 4203  
; SOFTWARE: ProtPatent version 1.0  
; SEQ ID NO 2387  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; OTHER INFORMATION: sequence located in C8A at 81-90 and may interact with Sequence  
US-09-572-404B-2387

Query Match 34.1%; Score 28; DB 10; Length 10;  
Best Local Similarity 50.0%; Pred. No. 6.6e+02;  
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 QLKCSDSMPC 11  
| : |||  
DB 1 QASCSSTTC 10

RESULT 12  
US-09-572-404B-2399  
; Sequence 2399, Application US/09572404B  
; Publication No. US20030078374A1  
; GENERAL INFORMATION:  
; APPLICANT: Proteom Ltd  
; TITLE OF INVENTION: Complementary peptide ligands from the human genome  
; FILE REFERENCE: Human patent  
; CURRENT APPLICATION NUMBER: US/09/572,404B  
; CURRENT FILING DATE: 2000-05-17  
; NUMBER OF SEQ ID NOS: 4203  
; SOFTWARE: ProtPatent version 1.0  
; SEQ ID NO 2399  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; OTHER INFORMATION: sequence located in C8A at 81-90 and may interact with Sequence  
US-09-572-404B-2399

Query Match 34.1%; Score 28; DB 10; Length 10;  
Best Local Similarity 50.0%; Pred. No. 6.6e+02;  
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 QLKCSDSMPC 11  
| : |||  
DB 1 QASCSSTTC 10

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; SEQ ID NO 391
; LENGTH: 10
; TYPE: PRT
; ORGANISM: mycoplasma genitalium
; FEATURE:
; OTHER INFORMATION: Sequence located in MG122 at 639-648 and may interact with Sequ
; OTHER INFORMATION: in this patent.
US-09-573-822C-391

Query Match          34.1%; Score 28; DB 10; Length 10;
Best Local Similarity 52.5%; Pred. No. 6.6e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      5 CSDSMPCCK 12
      |||||
Db      2 CSDPEKCK 9

Search completed: April 29, 2004, 10:34:11
Job time : 30.85 secs

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RESULT 13
US-09-572-404B-2485
; Sequence 2485, Application US/09572404B
; Publication No. US20030078374A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands from the human genome
; FILE REFERENCE: Human patent
; CURRENT APPLICATION NUMBER: US/09/572,404B
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 4203
; SOFTWARE: ProtPatent version 1.0
; SEQ ID NO 2485
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: sequence located in C8A at 81-90 and may interact with Sequence 2
; OTHER INFORMATION: this patent.
US-09-572-404B-2485

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Query Match          34.1%; Score 28; DB 10; Length 10;
Best Local Similarity 50.0%; Pred. No. 6.6e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      2 QLKCDSDMPC 11
      |||||
Db      1 QASCSSSTTC 10

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RESULT 14
US-09-572-404B-2543
; Sequence 2543, Application US/09572404B
; Publication No. US20030078374A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands from the human genome
; FILE REFERENCE: Human patent
; CURRENT APPLICATION NUMBER: US/09/572,404B
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 4203
; SOFTWARE: ProtPatent version 1.0
; SEQ ID NO 2543
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: sequence located in C8A at 81-90 and may interact with Sequence 2
; OTHER INFORMATION: this patent.
US-09-572-404B-2543

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Query Match          34.1%; Score 28; DB 10; Length 10;
Best Local Similarity 50.0%; Pred. No. 6.6e+02;
Matches 5; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      2 QLKCDSDMPC 11
      |||||
Db      1 QASCSSSTTC 10

```

```

RESULT 15
US-09-573-822C-391
; Sequence 391, Application US/09573822C
; Publication No. US20030199011A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands generated from microbial genome seq
; FILE REFERENCE: Microbe patent
; CURRENT APPLICATION NUMBER: US/09/573,822C
; CURRENT FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 804
; SOFTWARE: ProtPatent version 1.0

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GenCore version 5.1.6  
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CM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-19

Perfect score: 76

Sequence: 1 SRAEVSXVHNGAKF 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued patents AA:\*

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- 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*
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- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/2/iaa/6CTUS\_COMB.pep.\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	43.4	9	4	US-09-644-600-42
2	33	43.4	9	4	US-09-654-600A-42
3	30	39.5	10	1	US-08-612-588-7
4	30	39.5	10	1	US-08-612-588-9
5	30	39.5	13	3	US-08-159-339A-1117
6	29	38.2	8	2	US-08-266-514-20
7	29	38.2	8	1	US-08-654-604-20
8	29	38.2	9	1	US-08-266-514-30
9	29	38.2	9	2	US-08-654-604-30
10	29	38.2	12	1	US-08-266-514-21
11	29	38.2	12	2	US-08-654-604-21
12	28	36.8	15	6	5439796-5
13	27.5	36.2	11	3	US-08-159-339A-1132
14	27	35.5	9	1	US-08-465-167A-29
15	27	35.5	10	1	US-08-465-167A-7
16	27	35.5	10	1	US-08-465-167A-40
17	27	35.5	10	4	US-08-197-484-92
18	27	35.5	10	4	US-08-197-484-151
19	27	35.5	10	4	US-08-627-820-7
20	27	35.5	10	5	PCT-US95-02121-92
21	27	35.5	10	5	PCT-US95-02121-151
22	27	35.5	11	1	US-08-465-167A-9
23	27	35.5	11	1	US-08-465-167A-12
24	27	35.5	11	4	US-08-627-820-9
25	27	35.5	11	4	US-08-627-820-12
26	27	35.5	12	1	US-08-465-167A-13
27	27	35.5	12	4	US-08-627-820-13

28	27	35.5	14	3	US-09-188-579-89	Sequence 89, Appl
29	27	35.5	14	3	US-09-315-444-89	Sequence 89, Appl
30	27	35.5	14	4	US-09-721-362-89	Sequence 89, Appl
31	27	35.5	15	4	US-09-894-988A-63	Sequence 63, Appl
32	26	34.2	9	3	US-09-373-962-35	Sequence 35, Appl
33	26	34.2	9	3	US-09-245-680-35	Sequence 35, Appl
34	26	34.2	9	3	US-09-198-806C-35	Sequence 35, Appl
35	26	34.2	9	3	US-09-352-191-35	Sequence 35, Appl
36	26	34.2	9	4	US-09-012-400-35	Sequence 35, Appl
37	26	34.2	9	4	US-09-644-600-96	Sequence 96, Appl
38	26	34.2	9	4	US-09-264-563-35	Sequence 35, Appl
39	26	34.2	9	4	US-09-307-940B-35	Sequence 35, Appl
40	26	34.2	9	4	US-09-657-890-35	Sequence 35, Appl
41	26	34.2	9	4	US-09-266-293A-35	Sequence 35, Appl
42	26	34.2	9	4	US-09-654-600A-96	Sequence 96, Appl
43	26	34.2	13	3	US-08-159-339A-1115	Sequence 1115, Ap
44	26	34.2	15	4	US-09-217-268B-29	Sequence 29, Appl
45	25	32.9	10	2	US-08-116-778E-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1  
US-09-644-600-42  
; Sequence 42, Application US/09644600  
; Patent No. 6451500  
; GENERAL INFORMATION:  
; APPLICANT: O'Brien, Timothy J.  
; APPLICANT: Tanimoto, Hirotooshi  
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease  
; FILE REFERENCE: D6064CIP/D  
; CURRENT APPLICATION NUMBER: US/09/644,600  
; CURRENT FILING DATE: 2000-08-23  
; PRIOR FILING DATE: 1999-10-20  
; PRIOR FILING DATE: 1999-10-20  
; PRIOR APPLICATION NUMBER: 09/027,337  
; PRIOR FILING DATE: 1998-02-20  
; NUMBER OF SEQ ID NOS: 98  
; SEQ ID NO 42  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Residues 401-409 of the TADG-15 protein  
US-09-644-600-42

Query Match 43.4%; Score 33; DB 4; Length 9;  
Best Local Similarity 55.6%; Pred. No. 3e+05;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
QY 7 YVHVGAKF 15  
||| :||| :  
DB 1 YVEINGEKY 9

RESULT 2  
US-09-654-600A-42  
; Sequence 42, Application US/09654600A  
; Patent No. 6649741  
; GENERAL INFORMATION:  
; APPLICANT: O'Brien, Timothy J.  
; APPLICANT: Tanimoto, Hirotooshi  
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease  
; FILE REFERENCE: D6064CIP/D  
; CURRENT APPLICATION NUMBER: US/09/654,600A  
; CURRENT FILING DATE: 2000-09-01  
; PRIOR FILING DATE: 1999-10-20  
; PRIOR FILING DATE: 1998-02-20

NUMBER OF SEQ ID NOS: 98  
SEQ ID NO 42  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: Residues 401-409 of the TAGD-15 protein  
US-09-654-600A-42

Query Match 43.4%; Score 33; DB 4; Length 9;  
Best Local Similarity 55.6%; Pred. No. 3e+05;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 7 YVHVNGAKF 15  
Db 1 YVEINGEKY 9

## RESULT 3

US-08-612-588-7  
Sequence 7, Application US/08612588  
Patent No. 5726027  
GENERAL INFORMATION:  
APPLICANT: Olefsky, Jerrold M.  
TITLE OF INVENTION: METHOD FOR TREATMENT OF INSULIN  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/612,588  
FILING DATE: 08-MAR-1996  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07257/023001  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 4  
OTHER INFORMATION: /note= "Tyr is phosphotyrosine"

Query Match 39.5%; Score 30; DB 1; Length 10;  
Best Local Similarity 50.0%; Pred. No. 25;  
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
QY 5 VSVYHVNG 12  
Db 2 IPYTHNG 9

## RESULT 4

US-08-612-588-9  
Sequence 9, Application US/08612588  
Patent No. 5726027  
GENERAL INFORMATION:  
APPLICANT: Olefsky, Jerrold M.  
TITLE OF INVENTION: METHOD FOR TREATMENT OF INSULIN  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/612,588  
FILING DATE: 08-MAR-1996  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07257/023001  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 4  
OTHER INFORMATION: /note= "Tyr is phosphotyrosine"

Query Match 39.5%; Score 30; DB 1; Length 10;  
Best Local Similarity 50.0%; Pred. No. 25;  
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
QY 5 VSVYHVNG 12  
Db 2 IPYTHNG 9

## RESULT 5

US-08-159-339A-1117  
Sequence 1117, Application US/08159339A  
Patent No. 6037135  
GENERAL INFORMATION:  
APPLICANT: Kubo, Ralph T.  
APPLICANT: Grey, Howard M.  
APPLICANT: Sette, Alessandro  
APPLICANT: Celis, Estaban  
TITLE OF INVENTION: HLA Binding peptides and Their  
NUMBER OF SEQUENCES: 1254  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:



MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: Fast-SEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/159,339A  
FILING DATE: 29-NOV-1993  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/926,666  
FILING DATE: 07-AUG-1992  
APPLICATION NUMBER: US 08/027,746  
FILING DATE: 05-MAR-1993  
APPLICATION NUMBER: US 08/103,396  
FILING DATE: 06-AUG-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Weber, Ellen Lauver  
REGISTRATION NUMBER: 32,762  
REFERENCE/DOCKET NUMBER: 018623-005030US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
TELEX:  
INFORMATION FOR SEQ ID NO: 1117:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-159-339A-117

Query Match 39.5%; Score 30; DB 3; Length 13;  
Best Local Similarity 85.7%; Pred. No. 34;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 VSVYVHN 11  
|||:|  
Db 3 VSVYVHN 9

RESULT 6  
US-08-266-514-20  
; Sequence 20, Application US/08266514  
; Patent No. 5594105  
; GENERAL INFORMATION:  
; APPLICANT: COMOGGIO, PAOLO  
; APPLICANT: PONZETTO, CAROLA  
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND  
; TITLE OF INVENTION: MOTOGENESIS  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/266,514  
; FILING DATE: 27-JUN-1994  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9313528  
; FILING DATE: 30-JUN-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9407673.4

FILING DATE: 18-APR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Oblon, No. 5594105man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 769-323-0  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220  
TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /note= "The Tyr residue at position 1 may  
; OTHER INFORMATION: be phosphorylated.  
US-08-266-514-20

Query Match 38.2%; Score 29; DB 1; Length 8;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 YVHVN 11  
|||  
Db 1 YVHVN 5

RESULT 7  
US-08-654-604-20  
; Sequence 20, Application US/08654604  
; Patent No. 5912183  
; GENERAL INFORMATION:  
; APPLICANT: COMOGGIO, PAOLO  
; APPLICANT: PONZETTO, CAROLA  
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND  
; TITLE OF INVENTION: MOTOGENESIS  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/654,604  
; FILING DATE: 29-MAY-1996  
; CLASSIFICATION: 436  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/266,514  
; FILING DATE: 27-JUN-1994  
; APPLICATION NUMBER: GB 9313528  
; FILING DATE: 30-JUN-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9407673.4  
; FILING DATE: 18-APR-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Oblon, No. 5912183man F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 769-323-0  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 413-3000  
; TELEFAX: (703) 413-2220

TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /note= "The Tyr residue at position 1 may be phosphorylated."  
US-08-654-604-20

Query Match 38.2%; Score 29; DB 2; Length 8;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 YVHV 11  
Db 1 YVHV 5

RESULT 8  
US-08-266-514-30  
; Sequence 30, Application US/08266514  
; Patent No. 5594105  
; GENERAL INFORMATION:  
; APPLICANT: COMOGLIO, PAOLO  
; APPLICANT: PONZETTO, CAROLA  
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND  
; TITLE OF INVENTION: MOTOGENESIS  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
FILING DATE: 27-JUN-1994  
CLASSIFICATION: 530  
PRIOR APPLICATION NUMBER: GB 9313528  
FILING DATE: 30-JUN-1993  
APPLICATION NUMBER: GB 9407673.4  
FILING DATE: 18-APR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Oblon, No. 5594105man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 769-323-0  
TELEPHONE: (703) 413-3000  
TELEFAX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 5  
OTHER INFORMATION: /note= "The Tyr residue at position 1 may be phosphorylated."  
US-08-654-604-20

Query Match 38.2%; Score 29; DB 2; Length 9;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OTHER INFORMATION: /note= "The Tyr residue at position 5 may be phosphorylated."  
US-08-266-514-30

Query Match 38.2%; Score 29; DB 1; Length 9;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 YVHV 11  
Db 5 YVHV 9

RESULT 9  
US-08-654-604-30  
; Sequence 30, Application US/08654604  
; Patent No. 5912183  
; GENERAL INFORMATION:  
; APPLICANT: COMOGLIO, PAOLO  
; APPLICANT: PONZETTO, CAROLA  
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND  
; TITLE OF INVENTION: MOTOGENESIS  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
FILING DATE: 29-MAY-1996  
CLASSIFICATION: 436  
PRIOR APPLICATION NUMBER: US 08/266,514  
FILING DATE: 27-JUN-1994  
APPLICATION NUMBER: GB 9313528  
FILING DATE: 30-JUN-1993  
APPLICATION DATA:  
FILING DATE: 18-APR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Oblon, No. 5912183man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 769-323-0  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220  
TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 5  
OTHER INFORMATION: /note= "The Tyr residue at position 5 may be phosphorylated."  
US-08-654-604-30

Query Match 38.2%; Score 29; DB 2; Length 9;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 YVHVN 11  
Db 5 YVHVN 9

RESULT 10  
US-08-266-514-21  
; Sequence 21, Application US/08266514  
; Patent No. 5594105  
; GENERAL INFORMATION:  
; APPLICANT: COMOGLIO, PAOLO  
; APPLICANT: PONZETTO, CAROLA  
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS AND  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/266,514  
; FILING DATE: 27-JUN-1994  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9313528  
; FILING DATE: 30-JUN-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9407673.4  
; FILING DATE: 18-APR-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Oblon, No. 5594105man F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 769-323-0  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 413-3000  
; TELEFAX: (703) 413-2220  
; INFORMATION FOR SEQ ID NO: 21:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "The Tyr residue at position 1 may  
; OTHER INFORMATION: be phosphorylated."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: /note= "The Tyr residue at position 8 may  
; OTHER INFORMATION: be phosphorylated."  
US-08-266-514-21

Query Match 38.2%; Score 29; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 47;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 YVHVN 11  
Db 1 YVHVN 5

RESULT 11  
US-08-654-604-21  
; Sequence 21, Application US/08654604  
; Patent No. 5912183  
; GENERAL INFORMATION:  
; APPLICANT: COMOGLIO, PAOLO  
; APPLICANT: PONZETTO, CAROLA  
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF MITOGENESIS  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/654,604  
; FILING DATE: 29-MAY-1996  
; CLASSIFICATION: 436  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/266,514  
; FILING DATE: 27-JUN-1994  
; APPLICATION NUMBER: GB 9313528  
; FILING DATE: 30-JUN-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9407673.4  
; FILING DATE: 18-APR-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Oblon, No. 5912183man F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 769-323-0  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 413-3000  
; TELEFAX: (703) 413-2220  
; TELETYPE: 248855 OPAT UR  
; INFORMATION FOR SEQ ID NO: 21:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 1  
; OTHER INFORMATION: /note= "The Tyr residue at position 1 may  
; OTHER INFORMATION: be phosphorylated."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: /note= "The Tyr residue at position 8 may  
; OTHER INFORMATION: be phosphorylated."  
US-08-654-604-21

Query Match 38.2%; Score 29; DB 2; Length 12;  
Best Local Similarity 100.0%; Pred. No. 47;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 YVHVN 11  
Db 1 YVHVN 5

RESULT 12  
5439796-5  
; Patent No. 5439796

; APPLICANT: Traish, Abdulmagd M, Motiz, Herbert H.  
 ; TITLE OF INVENTION: SPECIFIC MONOCLONAL ANTIBODIES AGAINST A  
 ; DEFINED EPITOPE OF PROGESTERONE RECEPTOR AND METHODS FOR THEIR USE  
 ; NUMBER OF SEQUENCES: 5  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/77,902  
 ; FILING DATE: 23-JUL-1993  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 762,246  
 ; FILING DATE: 19-SEP-1991  
 ; APPLICATION NUMBER: 494,356  
 ; FILING DATE: 16-MAR-1990  
 ; APPLICATION NUMBER: 388,091  
 ; FILING DATE: 31-JUL-1989  
 ; SEQ ID NO:5:  
 ; LENGTH: 15  
 5439796-5

Query Match 36.8%; Score 28; DB 6; Length 15;  
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 Matches 5; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY 6 SYVHVNG 12  
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 Db 4 SYKHSV 10

RESULT 13  
 US-08-159-339A-1132  
 ; Sequence 1132, Application US/08159339A  
 ; Patent No. 6037135  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kubo, Ralph T.  
 ; APPLICANT: Grey, Howard M.  
 ; APPLICANT: Sette, Alessandro  
 ; APPLICANT: Celis, Esteban  
 ; TITLE OF INVENTION: HLA Binding peptides and Their  
 ; USES  
 ; NUMBER OF SEQUENCES: 1254  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Townsend and Townsend and Crew LLP  
 ; STREET: Two Embarcadero Center, Eighth Floor  
 ; CITY: San Francisco  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94111-3834  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSeq for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/159,339A  
 ; FILING DATE: 29-NOV-1993  
 ; CLASSIFICATION: 424  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/926,666  
 ; FILING DATE: 07-AUG-1992  
 ; APPLICATION NUMBER: US 08/027,746  
 ; FILING DATE: 05-MAR-1993  
 ; APPLICATION NUMBER: US 08/103,396  
 ; FILING DATE: 06-AUG-1993  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Weber, Ellen Lauver  
 ; REGISTRATION NUMBER: 32,762  
 ; REFERENCE/DOCKET NUMBER: 018623-005030US  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (415) 576-0200  
 ; TELEFAX: (415) 576-0300  
 ; TELEX:  
 ; INFORMATION FOR SEQ ID NO: 1132:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 11 amino acids

; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 US-08-159-339A-1132  
 Query Match 36.2%; Score 27.5; DB 3; Length 11;  
 Best Local Similarity 63.6%; Pred. No. 79;  
 Matches 7; Conservative 1; Mismatches 2; Indels 1; Gaps 1;  
 QY 6 SYVHVN-GAKF 15  
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 Db 1 SYVVTNMGKLF 11  
 RESULT 14  
 US-08-465-167A-29  
 ; Sequence 29, Application US/08465167A  
 ; Patent No. 5750395  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Fikes, John D.  
 ; APPLICANT: Livingston, Brian D.  
 ; APPLICANT: Sette, Alessandro D.  
 ; APPLICANT: Sidnev, John C.  
 ; TITLE OF INVENTION: DNA ENCODING MAGE-1 C-TERMINAL  
 ; IMMUNOGENIC PEPTIDES (as amended)  
 ; NUMBER OF SEQUENCES: 51  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Townsend and Townsend and Crew LLP  
 ; STREET: Two Embarcadero Center, 8th Floor  
 ; CITY: San Francisco  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 98111  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/465,167A  
 ; FILING DATE: 05-JUN-1995  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/103,623  
 ; FILING DATE: 06-AUG-1993  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Parmelee, Steven W.  
 ; REGISTRATION NUMBER: 31,990  
 ; REFERENCE/DOCKET NUMBER: 14137-60-1  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 206-467-9600  
 ; TELEFAX: 415-576-0300  
 ; INFORMATION FOR SEQ ID NO: 29:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 9 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-08-465-167A-29

Query Match 35.5%; Score 27; DB 1; Length 9;  
 Best Local Similarity 75.0%; Pred. No. 3e+05;  
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10  
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 Db 2 AETSYVKV 9

RESULT 15  
 US-08-465-167A-7

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; Sequence 7, Application US/08465167A
; Patent No. 5750395
; GENERAL INFORMATION:
; APPLICANT: Fikes, John D.
; APPLICANT: Livingston, Brian D.
; APPLICANT: Sette, Alessandro D.
; APPLICANT: Sidney, John C.
; TITLE OF INVENTION: DNA ENCODING WAGE-1 C-TERMINAL
; TITLE OF INVENTION: IMMUNOGENIC PEPTIDES (as amended)
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,167A
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/103,623
; FILING DATE: 06-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steven W.
; REGISTRATION NUMBER: 31,990
; REFERENCE/DOCKET NUMBER: 14137-60-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-467-9600
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-465-167A-7

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Query Match      35.5%; Score 27; DB 1; Length 10;
Best Local Similarity 75.0%; Pred. No. 88;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY      3 AEVSIVHV 10
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Db      3 AETSIVKV 10

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Search completed: April 29, 2004, 09:27:34  
Job time : 11.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-20

Perfect score: 74  
Sequence: 1 ATAAAIQLKCSMP 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 19368

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:  
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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	15	US-10-354-240-148	Sequence 148, App
2	53	71.6	15	US-10-354-240-149	Sequence 149, App
3	48	64.9	15	US-10-354-240-147	Sequence 147, App
4	30	40.5	14	US-09-949-375A-14	Sequence 14, Appl
5	28	37.8	10	US-09-572-404B-623	Sequence 623, App
6	28	37.8	15	US-09-905-831-10	Sequence 10, Appl
7	27	36.5	9	US-09-796-294-33	Sequence 33, Appl
8	27	36.5	10	US-10-461-787-303	Sequence 303, Appl
9	26	35.1	10	US-10-462-452-505	Sequence 505, App
10	26	35.1	10	US-10-043-487-506	Sequence 506, App
11	26	35.1	10	US-10-601-853-634	Sequence 634, App
12	26	35.1	13	US-10-325-694-22	Sequence 22, Appl
13	26	35.1	15	US-10-052-788-2	Sequence 2, Appl
14	26	35.1	15	US-10-354-240-150	Sequence 150, App
15	25	33.8	7	US-09-843-676-77	Sequence 77, Appl

16	25	33.8	7	9	US-09-766-253-77	Sequence 77, Appl
17	25	33.8	7	10	US-09-438-486-77	Sequence 77, Appl
18	25	33.8	7	12	US-10-325-810-581	Sequence 581, App
19	25	33.8	7	14	US-10-053-758-77	Sequence 77, Appl
20	25	33.8	7	14	US-10-054-295-77	Sequence 77, Appl
21	25	33.8	7	14	US-10-054-611-77	Sequence 77, Appl
22	25	33.8	7	15	US-10-408-166-320	Sequence 320, App
23	25	33.8	8	15	US-10-408-166-319	Sequence 319, App
24	25	33.8	9	8	US-08-821-739A-18	Sequence 18, Appl
25	25	33.8	9	14	US-10-040-862-9629	Sequence 9629, App
26	25	33.8	9	14	US-10-040-862-9870	Sequence 9870, App
27	25	33.8	9	14	US-10-040-862-9932	Sequence 9932, App
28	25	33.8	9	14	US-10-040-862-9949	Sequence 9949, App
29	25	33.8	9	14	US-10-040-862-10146	Sequence 10146, A
30	25	33.8	9	15	US-10-057-475B-9629	Sequence 9629, App
31	25	33.8	9	15	US-10-057-475B-9870	Sequence 9870, App
32	25	33.8	9	15	US-10-057-475B-9932	Sequence 9932, App
33	25	33.8	9	15	US-10-057-475B-9949	Sequence 9949, App
34	25	33.8	9	15	US-10-057-475B-10146	Sequence 10146, A
35	25	33.8	9	15	US-10-154-884B-9629	Sequence 9629, App
36	25	33.8	9	15	US-10-154-884B-9870	Sequence 9870, App
37	25	33.8	9	15	US-10-154-884B-9932	Sequence 9932, App
38	25	33.8	9	15	US-10-154-884B-9949	Sequence 9949, App
39	25	33.8	9	15	US-10-154-884B-10146	Sequence 10146, A
40	25	33.8	9	15	US-10-408-166-318	Sequence 318, App
41	25	33.8	10	14	US-10-200-708-106	Sequence 106, App
42	25	33.8	10	15	US-10-408-166-317	Sequence 317, App
43	25	33.8	11	15	US-10-408-166-316	Sequence 316, App
44	25	33.8	12	13	US-10-046-938-34	Sequence 34, Appl
45	25	33.8	12	15	US-10-408-166-315	Sequence 315, App

## ALIGNMENTS

RESULT 1  
US-10-354-240-148  
; Sequence 148, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daijiki, Kazuo  
; APPLICANT: Iwama, Akiho  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 148  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 65  
US-10-354-240-148

Query Match 100.0%; Score 74; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.7e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATAAAIQLKCSMP 15

Db 1 ATAAAIQLKCSMP 15

```

RESULT 2
US-10-354-240-149
; Sequence 149, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 149
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 66
US-10-354-240-149

Query Match 71.6%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 IQLKSDSMP 15
DB 1 IQLKSDSMP 10

RESULT 3
US-10-354-240-147
; Sequence 147, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 147
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 64
US-10-354-240-147

Query Match 64.9%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.11;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ATAAAIQLKC 10
DB 6 ATAAAIQLKC 15

RESULT 4
US-09-949-375A-14
; Sequence 14, Application US/09949375A
; Patent No. US20020172673A1
; GENERAL INFORMATION:
; APPLICANT: KLYSNER, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
; FILE REFERENCE: 3631-0111P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic amino acid sequence of SEQ ID NO: 13.
US-09-949-375A-14

Query Match 40.5%; Score 30; DB 9; Length 14;
Best Local Similarity 71.4%; Pred. No. 1.7e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 9 KCSDSMP 15
DB 4 KCADSMP 10

RESULT 5
US-09-572-404B-623
; Sequence 623, Application US/09572404B
; Publication No. US20030078374A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands from the human genome
; FILE REFERENCE: Human patent
; CURRENT APPLICATION NUMBER: US/09/572,404B
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 4203
; SOFTWARE: Protpatent version 1.0
; SEQ ID NO 623
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: sequence located in APOB at 1653-1662 and may interact with Sequ
US-09-572-404B-623

Query Match 37.8%; Score 28; DB 10; Length 10;
Best Local Similarity 50.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATAAAIQLKC 10
DB 1 STSATNLKC 10

RESULT 6
US-09-905-931-10
; Sequence 10, Application US/09905831
; Patent No. US20020119572A1
; GENERAL INFORMATION:
; APPLICANT: Jacobson, Joseph
; APPLICANT: Schwartz, John
; APPLICANT: Hamad, Kimberly

```

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; APPLICANT: Zhang, Shuguang
; TITLE OF INVENTION: Direct, Externally Imposed Control of Polypeptides
; FILE REFERENCE: MLB-086
; CURRENT APPLICATION NUMBER: US/09/905,831
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/276,313
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: US 60/218,312
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 10
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CEAK15 peptide
US-09-905-831-10

Query Match          37.8%; Score 28; DB 9; Length 15;
Best Local Similarity 60.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATAAAIQLKC 10
   |||||: ||
Db 6 AAAAAKKKC 15

RESULT 7
US-09-796-294-33
; Sequence 33, Application US/09796294
; Patent No. US20020037581A1
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Extracellular Serine Protease
; FILE REFERENCE: D6020CIP3
; CURRENT APPLICATION NUMBER: US/09/796,294
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/618,259
; PRIOR FILING DATE: 2000-07-18
; NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 33
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 183-191 of the TADG-14 protein
US-09-796-294-33

Query Match          36.5%; Score 27; DB 9; Length 9;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 9 KCSDSMP 15
   |||: |
Db 1 KCEDAVP 7

RESULT 8
US-10-461-787-33
; Sequence 33, Application US/10461787
; Publication No. US20030199010A1
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: No. US20030199010A1el Extracellular Serine Protease
; FILE REFERENCE: D6020CIP2
; CURRENT APPLICATION NUMBER: US/10/461,787
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US/09/618,259
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: US 09/127,444
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; PRIOR FILING DATE: 1998-08-21
; NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 33
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 183-191 of the TADG-14 protein
US-10-461-787-33

Query Match          36.5%; Score 27; DB 14; Length 9;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 9 KCSDSMP 15
   |||: |
Db 1 KCEDAVP 7

RESULT 9
US-10-462-452-505
; Sequence 505, Application US/10462452
; Publication No. US20040037809A1
; GENERAL INFORMATION:
; APPLICANT: Quay, Steven
; APPLICANT: El Shafy, Mohammed Abd
; APPLICANT: Gupta, Malini
; APPLICANT: de Meireles, Jorge
; TITLE OF INVENTION: Compositions and Methods for Enhanced
; TITLE OF INVENTION: Mucosal-Delivery of Interferon Beta
; FILE REFERENCE: 02-02US
; CURRENT APPLICATION NUMBER: US/10/462,452
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/393,066
; PRIOR FILING DATE: 2002-06-28
; NUMBER OF SEQ ID NOS: 790
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 505
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION:
US-10-462-452-505

Query Match          35.1%; Score 26; DB 12; Length 10;
Best Local Similarity 42.9%; Pred. No. 6.2e+02;
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 IQLKSD 12
   :||: |
Db 4 VELRCQD 10

RESULT 10
US-10-043-487-506
; Sequence 506, Application US/10043487
; Publication No. US20030055220A1
; GENERAL INFORMATION:
; APPLICANT: HYBRIGENICS
; APPLICANT: Pierre, LEGRAIN
; TITLE OF INVENTION: Protein-protein interactions between Shigella Flexneri polypeptides
; TITLE OF INVENTION: mammalian polypeptides
; FILE REFERENCE: B4778A
; CURRENT APPLICATION NUMBER: US/10/043,487
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/261,130
; PRIOR FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 561
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 506
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Shigella Flexneri
; OTHER INFORMATION:
US-10-043-487-506
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Query Match 35.1%; Score 26; DB 14; Length 10;  
 Best Local Similarity 80.0%; Pred. No. 6.2e+02;  
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 IQLKC 10  
 DB 2 VOLKC 6

RESULT 11  
 US-10-601-953-634  
 ; Sequence 634, Application US/10601953  
 ; Publication No. US20040077540A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Quay, Steven C.  
 ; TITLE OF INVENTION: Compositions And Methods For Modulating Physiology Of Epithelial  
 ; TITLE OF INVENTION: Junctional Adhesion Molecules For Enhanced Mucosal Delivery Of  
 ; TITLE OF INVENTION: Therapeutic Compounds  
 ; FILE REFERENCE: 02-03US  
 ; CURRENT APPLICATION NUMBER: US/10/601,953  
 ; CURRENT FILING DATE: 2003-06-24  
 ; PRIOR APPLICATION NUMBER: 60/392,512  
 ; PRIOR FILING DATE: 2002-06-28  
 ; NUMBER OF SEQ ID NOS: 900  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 634  
 ; LENGTH: 10  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Synthetic construct  
 US-10-601-953-634

Query Match 35.1%; Score 26; DB 16; Length 10;  
 Best Local Similarity 42.9%; Pred. No. 6.2e+02;  
 Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 IQLKQSD 12  
 DB 4 VELRCQD 10

RESULT 12  
 US-10-325-694-22  
 ; Sequence 22, Application US/10325694  
 ; Publication No. US20030148463A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KUFER, PETER  
 ; APPLICANT: RAUM, TOBIAS  
 ; TITLE OF INVENTION: NOVEL METHOD FOR THE PRODUCTION OF ANTI-HUMAN ANTIGEN  
 ; TITLE OF INVENTION: RECEPTORS AND USES THEREOF  
 ; FILE REFERENCE: 38164000  
 ; CURRENT APPLICATION NUMBER: US/10/325,694  
 ; CURRENT FILING DATE: 2002-12-19  
 ; PRIOR APPLICATION NUMBER: US/09/403,107  
 ; PRIOR FILING DATE: 1999-10-14  
 ; NUMBER OF SEQ ID NOS: 152  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 22  
 ; LENGTH: 13  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
 US-10-325-694-22

Query Match 35.1%; Score 26; DB 14; Length 13;  
 Best Local Similarity 60.0%; Pred. No. 8.1e+02;  
 Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATAAAIQLKC 10  
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DB 2 ATFAAAQEEC 11

RESULT 13  
 US-10-052-788-2  
 ; Sequence 2, Application US/10052788  
 ; Publication No. US20030087314A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gerishwin, Laurel J.  
 ; APPLICANT: Pettigrew, Howard David  
 ; APPLICANT: Kalina, Warren V.  
 ; APPLICANT: The Regents of the University of California  
 ; TITLE OF INVENTION: Epsilon Immunoglobulin Chain Derived Peptides for  
 ; TITLE OF INVENTION: Induction of Anti-IGE Antibodies  
 ; FILE REFERENCE: 023070-121000US  
 ; CURRENT APPLICATION NUMBER: US/10/052,788  
 ; CURRENT FILING DATE: 2001-11-08  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 2  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: epsilon peptide  
 ; OTHER INFORMATION: P2, end portion of C2 of equine IGE epsilon heavy  
 ; OTHER INFORMATION: chain  
 US-10-052-788-2

Query Match 35.1%; Score 26; DB 14; Length 15;  
 Best Local Similarity 57.1%; Pred. No. 9.4e+02;  
 Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 9 KCSDSMP 15  
 |||||  
 DB 6 KCTESEP 12

RESULT 14  
 US-10-354-240-150  
 ; Sequence 150, Application US/10354240  
 ; Publication No. US20030185847A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sone, Toshio  
 ; APPLICANT: Kume, Akinori  
 ; APPLICANT: Dairiki, Kazuo  
 ; APPLICANT: Iwama, Akiko  
 ; APPLICANT: Kino, Kohsuke  
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea  
 ; FILE REFERENCE: SPO-103D1  
 ; CURRENT APPLICATION NUMBER: US/10/354,240  
 ; CURRENT FILING DATE: 2003-01-29  
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
 ; PRIOR FILING DATE: 1997-03-10  
 ; PRIOR APPLICATION NUMBER: US 09/142,524  
 ; PRIOR FILING DATE: 1998-09-09  
 ; NUMBER OF SEQ ID NOS: 174  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 150  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Cryptomeria japonica  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (1)..(15)  
 ; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 67  
 US-10-354-240-150

Query Match 35.1%; Score 26; DB 14; Length 15;  
 Best Local Similarity 100.0%; Pred. No. 9.4e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 SDSMP 15

Db 1 SDSMP 5

RESULT 15  
US-09-843-676-77  
; Sequence 77, Application US/09843676  
; Patent No. US20020164786A1  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; ; Lingner, Joachim  
; ; Nakamura, Toru  
; ; Chapman, Karen B.  
; ; Morin, Gregg B.  
; ; Harley, Calvin  
; ; Andrews, William H.  
; TITLE OF INVENTION: No. US20020164786A1el Telomerase  
; NUMBER OF SEQUENCES: 225  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States of America  
; Zip: 94111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/843,676  
; FILING DATE: 26-APR-2001  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/854,050  
; FILING DATE: 09-MAY-1997  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph T.  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002930US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 77:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: <unknown>  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 77:  
US-09-843-676-77

Query Match 33.8%; Score 25; DB 9; Length 7;  
Best Local Similarity 66.7%; Pred. No. 1e+06;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 10 CSDSMP 15  
Db 1 CVDSP 6

Search completed: April 29, 2004, 10:34:11  
Job time : 31.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-18

Perfect score: 79

Sequence: 1 ASKNFHLQKNTIGT 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:\*
- 1: /cgn2\_6/ptodata/2/iaa/5A COMB.pep.\*
  - 2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*
  - 3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*
  - 4: /cgn2\_6/ptodata/2/iaa/6B COMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/iaa/PCRTUS COMB.pep.\*
  - 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	29	36.7	7	3	US-09-026-904-1
2	27	34.2	8	3	Sequence 1, Appl
3	27	34.2	11	1	US-07-620-669-10
4	27	34.2	11	1	US-07-803-624-10
5	27	34.2	11	1	US-07-998-361-10
6	27	34.2	15	5	PCT-US93-11703-35
7	27	34.2	15	5	PCT-US93-11703-36
8	27	34.2	15	5	PCT-US93-11703-37
9	26	32.9	6	4	US-10-132-920B-47
10	26	32.9	7	1	US-07-956-848A-33
11	26	32.9	7	1	US-08-471-956-33
12	26	32.9	11	1	US-08-218-025A-127
13	26	32.9	12	1	US-08-454-097-51
14	26	32.9	12	2	US-08-666-473-114
15	26	32.9	12	3	US-08-185-359-51
16	26	32.9	12	3	US-08-747-599A-21
17	26	32.9	15	5	PCT-US93-11703-34
18	26	32.9	15	6	5227466-3
19	25	31.6	8	1	US-08-279-906A-13
20	25	31.6	8	1	US-09-575-847-17
21	25	31.6	9	4	US-09-575-847-9
22	25	31.6	10	1	US-08-306-116A-38
23	25	31.6	10	1	US-08-306-116A-40
24	25	31.6	10	4	US-09-187-859-3199
25	25	31.6	10	4	US-09-187-859-3289
26	25	31.6	10	4	US-09-187-859-3424
27	25	31.6	10	4	US-09-187-859-3508

28	25	31.6	10	4	US-09-839-542B-3199	Sequence 3199, Ap
29	25	31.6	10	4	US-09-839-542B-3289	Sequence 3289, Ap
30	25	31.6	10	4	US-09-839-542B-3424	Sequence 3424, Ap
31	25	31.6	10	4	US-09-839-542B-3508	Sequence 3508, Ap
32	25	31.6	10	4	US-09-535-852-543	Sequence 543, App
33	25	31.6	10	4	US-09-535-852-533	Sequence 533, App
34	25	31.6	10	4	US-09-535-852-768	Sequence 768, App
35	25	31.6	10	4	US-09-535-852-852	Sequence 852, App
36	25	31.6	11	4	US-09-187-859-3200	Sequence 3200, Ap
37	25	31.6	11	4	US-09-187-859-3290	Sequence 3290, Ap
38	25	31.6	11	4	US-09-187-859-3425	Sequence 3425, Ap
39	25	31.6	11	4	US-09-187-859-3509	Sequence 3509, Ap
40	25	31.6	11	4	US-09-839-542B-3200	Sequence 3200, Ap
41	25	31.6	11	4	US-09-839-542B-3290	Sequence 3290, Ap
42	25	31.6	11	4	US-09-839-542B-3425	Sequence 3425, Ap
43	25	31.6	11	4	US-09-839-542B-3509	Sequence 3509, Ap
44	25	31.6	11	4	US-09-535-852-544	Sequence 544, App
45	25	31.6	11	4	US-09-535-852-634	Sequence 634, App

ALIGNMENTS

RESULT 1

US-09-026-904-1  
; Sequence 1, Application US/09026904  
; Patent No. 6245502  
; GENERAL INFORMATION:  
; APPLICANT: Emi, B.  
; TITLE OF INVENTION: TARGET SYSTEM  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/026,904  
; FILING DATE: Concurrently herewith  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Gerald J. Flintoft  
; REGISTRATION NUMBER: 20,823  
; REFERENCE/DOCKET NUMBER:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-790-9090  
; TELEFAX: 212-869-9741  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-026-904-1

Query Match 36.7%; Score 29; DB 3; Length 7;  
Best Local Similarity 71.4%; Pred. No. 3e+05;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 KNEHLOK 9  
DB 1 KKEHLRK 7

RESULT 2

US-09-026-904-9  
; Sequence 9, Application US/09026904  
; Patent No. 6245502  
; GENERAL INFORMATION:  
; APPLICANT: Emi, B.  
; TITLE OF INVENTION: TARGET SYSTEM  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fennie & Edmonds LLP  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/026,904  
; FILING DATE: Concurrently herewith  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Gerald J. Flintoft  
; REGISTRATION NUMBER: 20,823  
; REFERENCE/DOCKET NUMBER:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-790-9090  
; TELEFAX: 212-869-9741  
; TELEX: 66141 FENNIE  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-026-904-9  
  
Query Match 34.2%; Score 27; DB 3; Length 8;  
Best Local Similarity 57.1%; Pred. No. 3e+05;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
  
QY 3 KNFHLOK 9  
DB 1 KKFIRK 7

US-07-620-669-10  
; Sequence 10, Application US/07620669  
; Patent No. 5177188  
; GENERAL INFORMATION:  
; APPLICANT: Ginsberg, Mark H  
; APPLICANT: McMillan, Robert  
; APPLICANT: Plov, Edward F  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING  
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: The Scripps Research Institute, Office of  
; ADDRESSEE: Patent Counsel  
; STREET: 3366 No. 5177188th Torrey Pines Ct., Suite 240  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/803,624  
; FILING DATE: 19911127  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/620,669  
; FILING DATE: 03-DEC-1900  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitting, Thomas  
; REGISTRATION NUMBER: 34,163  
; REFERENCE/DOCKET NUMBER: SCR0597P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619-554-2937  
; TELEFAX: 619-554-6312  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
US-07-620-669-10  
  
Query Match 34.2%; Score 27; DB 1; Length 11;  
Best Local Similarity 71.4%; Pred. No. 1.3e+02;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
  
QY 2 SKNHLQ 8  
DB 5 SKNFSIQ 11

RESULT 4  
US-07-803-624-10  
; Sequence 10, Application US/07803624  
; Patent No. 5391784  
; GENERAL INFORMATION:  
; APPLICANT: McMillan, Robert  
; APPLICANT: Ginsberg, Mark H  
; APPLICANT: Plov, Edward F  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING  
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Office of Patent Counsel, The Scripps  
; ADDRESSEE: Research Institute  
; STREET: 10666 No. 5391704th Torrey Pines Road, TPC 8  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/803,624  
; FILING DATE: 19911127  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/620,669  
; FILING DATE: 03-DEC-1900  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitting, Thomas  
; REGISTRATION NUMBER: 34,163  
; REFERENCE/DOCKET NUMBER: SCR0597P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619-554-2937  
; TELEFAX: 619-554-6312  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:

LENGTH: 11 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-07-803-624-10

Query Match 34.2%; Score 27; DB 1; Length 11;  
Best Local Similarity 71.4%; Pred. No. 1.3e+02;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 SKNFHLQ 8  
DB 5 SKNFSLQ 11

RESULT 5  
US-07-998-361-10  
Sequence 10, Application US/07998361  
Patent No. 5399481  
GENERAL INFORMATION:  
APPLICANT: McMillan, Robert  
APPLICANT: Ginsberg, Mark H  
APPLICANT: Flow, Edward F  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING  
TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Office of Patent Counsel, The Scripps  
ADDRESSEE: Research Institute  
STREET: 10666 No. 5399481th Torrey Pines Road, TPC 8  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037

COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/998,361  
FILING DATE: 19921229  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/803,624  
FILING DATE: 27-NOV-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/520,669  
FILING DATE: 03-DEC-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: SCRL212P  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-554-2937  
TELEFAX: 619-554-6312

INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-07-998-361-10

Query Match 34.2%; Score 27; DB 1; Length 11;  
Best Local Similarity 71.4%; Pred. No. 1.3e+02;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 SKNFHLQ 8  
DB 5 SKNFSLQ 11

RESULT 6  
PCT-US93-11703-35  
Sequence 35, Application PC/TUS9311703  
GENERAL INFORMATION:  
APPLICANT: Chiron Mimotopes Pty. Ltd.  
TITLE OF INVENTION: T-Cell Epitopes  
NUMBER OF SEQUENCES: 75  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Grant D. Green  
STREET: 4560 Horton St.  
CITY: Emeryville  
STATE: CA  
COUNTRY: USA  
ZIP: 94608

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30B  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/11703  
FILING DATE: 28-DEC-1993  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/984,852  
FILING DATE: 02-DEC-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Green, Grant D.  
REGISTRATION NUMBER: 31,259  
REFERENCE/DOCKET NUMBER: 0222.101  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 510-601-2706  
TELEFAX: 510-655-3542  
INFORMATION FOR SEQ ID NO: 35:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US93-11703-35

Query Match 34.2%; Score 27; DB 5; Length 15;  
Best Local Similarity 36.4%; Pred. No. 1.8e+02;  
Matches 4; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 2 SKNFHLQNTI 12  
DB 5 TENFNWKNM 15

RESULT 7  
PCT-US93-11703-36  
Sequence 36, Application PC/TUS9311703  
GENERAL INFORMATION:  
APPLICANT: Chiron Mimotopes Pty. Ltd.  
TITLE OF INVENTION: T-Cell Epitopes  
NUMBER OF SEQUENCES: 75  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Grant D. Green  
STREET: 4560 Horton St.  
CITY: Emeryville  
STATE: CA  
COUNTRY: USA  
ZIP: 94608

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

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;
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11703
; FILING DATE: 28-DEC-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/984,852
; FILING DATE: 02-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Green, Grant D.
; REGISTRATION NUMBER: 31,259
; REFERENCE/DOCKET NUMBER: 0222.101
; TELEPHONE: 510-601-2706
; TELEFAX: 510-855-3542
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; PCT-US93-11703-36

Query Match 34.2%; Score 27; DB 5; Length 15;
Best Local Similarity 36.4%; Pred. No. 1.8e+02;
Matches 4; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 2 SKNFHLQKNTI 12
DB 3 TENFNWKNKM 13

RESULT 8
; Sequence 37, Application PC/TUS9311703
; GENERAL INFORMATION:
; APPLICANT: Chiron Mimotopes Pty. Ltd.
; TITLE OF INVENTION: T-Cell Epitopes
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Grant D. Green
; STREET: 4560 Horton St.
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11703
; FILING DATE: 28-DEC-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/984,852
; FILING DATE: 02-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Green, Grant D.
; REGISTRATION NUMBER: 31,259
; REFERENCE/DOCKET NUMBER: 0222.101
; TELEPHONE: 510-601-2706
; TELEFAX: 510-855-3542
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

;
; COMPUTER: IBM PC compatible
; MOLECULE TYPE: peptide
; PCT-US93-11703-37

Query Match 34.2%; Score 27; DB 5; Length 15;
Best Local Similarity 36.4%; Pred. No. 1.8e+02;
Matches 4; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 2 SKNFHLQKNTI 12
DB 1 TENFNWKNKM 11

RESULT 9
; US-10-132-920B-47
; Sequence 47, Application US/10132920B
; Patent No. 6673900
; GENERAL INFORMATION:
; APPLICANT: Rowe, Peter
; TITLE OF INVENTION: A Polypeptide Hormone-Phosphatonin
; FILE REFERENCE: BEAR-005CON
; CURRENT APPLICATION NUMBER: US/10/132,920B
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 09/434,185
; PRIOR FILING DATE: 1999-11-04
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 6
; TYPE: PPT
; ORGANISM: Homo sapien
; US-10-132-920B-47

Query Match 32.9%; Score 26; DB 4; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 NTIGT 14
DB 2 NTIGT 6

RESULT 10
; US-07-956-848A-33
; Sequence 33, Application US/07956848A
; Patent No. 5447914
; GENERAL INFORMATION:
; APPLICANT: Travis, James
; APPLICANT: Shafer, William M.
; APPLICANT: Bangalore, Neellesh
; APPLICANT: Pohl, Jan
; TITLE OF INVENTION: Antimicrobial Peptides
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Greenlee and Winner, P.C.
; STREET: 5370 Manhattan Circle, Suite 201
; CITY: Boulder
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/956,848A
; FILING DATE: 02-OCT-1992
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferber, Donna M.
; REGISTRATION NUMBER: 33,878
; REFERENCE/DOCKET NUMBER: 3-90B
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TELECOMMUNICATION INFORMATION:  
TELEPHONE: (303) 499-8080  
TELEFAX: (303) 499-8089  
TELEX: 49617824  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-07-956-848A-33

Query Match 32.9%; Score 26; DB 1; Length 7;  
Best Local Similarity 83.3%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0;

QY 6 HLQKNT 11  
| | | | |  
Db 1 HPQKNT 6

RESULT 11  
US-08-471-956-33  
; Sequence 33, Application US/08471956  
; Patent No. 5798336  
; GENERAL INFORMATION:  
; APPLICANT: Travis, James  
; APPLICANT: Shafer, William M.  
; APPLICANT: Bangalore, Neellesh  
; APPLICANT: Pohl, Jan  
; TITLE OF INVENTION: Antimicrobial Peptides  
; NUMBER OF SEQUENCES: 59  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Greenlee and Winner, P.C.  
; STREET: 5370 Manhattan Circle, Suite 201  
; CITY: Boulder  
; STATE: Colorado  
; COUNTRY: USA  
; ZIP: 80303

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/471,956  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/956,848  
FILING DATE: 02-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/541,635  
FILING DATE: 21-JUN-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Terber, Donna M.  
REGISTRATION NUMBER: 33,878  
REFERENCE/DOCKET NUMBER: 3-90D  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (303) 499-8080  
TELEFAX: (303) 499-8089  
TELEX: 49617824  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-471-956-33

Query Match 32.9%; Score 26; DB 1; Length 7;

Best Local Similarity 83.3%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 HLQKNT 11  
| | | | |  
Db 1 HPQKNT 6

RESULT 12  
US-08-218-025A-127  
; Sequence 127, Application US/08218025A  
; Patent No. 5556744  
; GENERAL INFORMATION:  
; APPLICANT: Weiner, David B.  
; APPLICANT: Ugen, Kenneth E.  
; APPLICANT: Williams, William V.  
; TITLE OF INVENTION: Methods and Compositions for Diagnosing  
; TITLE OF INVENTION: and Treating Certain HIV Infected Patients  
; NUMBER OF SEQUENCES: 197  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Howson and Howson  
; STREET: P.O. Box 457, 321 No. 5556744ristown Road  
; CITY: Spring House  
; STATE: Pennsylvania  
; COUNTRY: U.S.A.  
; ZIP: 19477

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/218,025A  
FILING DATE: 24-MAR-1994  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/891,451  
FILING DATE: 29-MAY-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Bak, Mary E.  
REGISTRATION NUMBER: 31,215  
REFERENCE/DOCKET NUMBER: WST33A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 540-9206  
TELEFAX: (215) 540-5818  
INFORMATION FOR SEQ ID NO: 127:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-218-025A-127

Query Match 32.9%; Score 26; DB 1; Length 11;  
Best Local Similarity 44.4%; Pred. No. 1.9e+02;  
Matches 4; Conservative 1; Indels 0; Gaps 0;

QY 2 SKNFHLQKN 10  
: : | | : :  
Db 3 TENFAMWKN 11

RESULT 13  
US-08-454-097-51  
; Sequence 51, Application US/08454097  
; Patent No. 5686412  
; GENERAL INFORMATION:  
; APPLICANT: Hoeckstra, Merl F.  
; TITLE OF INVENTION: Protein Kinases  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 233 South Wacker Drive, 6300 Sears Tower

CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606-6402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/454,097  
FILING DATE: 30-MAY-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/185,359  
FILING DATE: 21-JAN-1994  
APPLICATION NUMBER: US 08/008,001  
FILING DATE: 21-JAN-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/728,783  
FILING DATE: 03-JUL-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5686412and, Greta E.  
REGISTRATION NUMBER: 35,302  
REFERENCE/DOCKET NUMBER: 27866/31853  
TELEPHONE: 312-474-6300  
TELEFAX: 312-474-0448  
TELEX: 25-3856  
INFORMATION FOR SEQ ID NO: 51:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-454-097-51

Query Match 32.9%; Score 26; DB 1; Length 12;  
Best Local Similarity 66.7%; Pred. NO. 2.1e+02;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 7 LQKNTGTG 15  
| | | | |  
Db 2 LGHNTGTG 10

RESULT 14  
US-08-666-473-114  
Sequence 114, Application US/08666473  
Patent No. 5843713  
GENERAL INFORMATION:  
APPLICANT: YOSHIDA, Aruto  
APPLICANT: TAKEUCHI, Makoto  
TITLE OF INVENTION: PEPTIDE SEQUENCE THAT FORMS MUCIN SUGAR  
TITLE OF INVENTION: CHAIN AND TECHNIQUE FOR MODIFYING PROTEIN TO BE LINKED  
TITLE OF INVENTION: WITH MUCIN SUGAR CHAIN  
NUMBER OF SEQUENCES: 114  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 3000 K Street, N.W., Suite 500  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20007-5109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/666,473  
FILING DATE: 19-SEP-1996

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/JP95/02238  
FILING DATE: 01-NOV-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-22101  
FILING DATE: 09-FEB-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-269111  
FILING DATE: 01-NOV-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 16887/837  
TELEPHONE: (202) 672-5300  
TELEFAX: (202) 672-5399  
TELEX: 904136  
INFORMATION FOR SEQ ID NO: 114:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-666-473-114

Query Match 32.9%; Score 26; DB 2; Length 12;  
Best Local Similarity 40.0%; Pred. NO. 2.1e+02;  
Matches 4; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 6 HLQKNTGTG 15  
| | | | |  
Db 2 HMAQTVGPG 11

RESULT 15  
US-08-185-359-51  
Sequence 51, Application US/08185359  
Patent No. 6060296  
GENERAL INFORMATION:  
APPLICANT: Hoekstra, Merl F.  
TITLE OF INVENTION: Protein Kinases  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
STREET: 233 South Wacker Drive, 6300 Sears Tower  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606-6402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/185,359  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/008,001  
FILING DATE: 21-JAN-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/728,783  
FILING DATE: 03-JUL-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 6060296and, Greta E.  
REGISTRATION NUMBER: 35,302  
REFERENCE/DOCKET NUMBER: 27866/31853  
TELEPHONE: 312-474-6300  
TELEFAX: 312-474-0448  
TELEX: 25-3856



; INFORMATION FOR SEQ ID NO: 51:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-185-359-51

Query Match 32.9%; Score 26; DB 3; Length 12;  
Best Local Similarity 66.7%; Pred. No. 2.1e+02;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 7 LQKNTIGTG 15  
| | | | |  
Db 2 LGHNRGTG 10

Search completed: April 29, 2004, 09:27:34  
Job time : 12.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 / Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-19

Perfect score: 76

Sequence: 1 SRAEVSYPVHNGAKF 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 118120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	76	100.0	15	14	US-10-354-240-131
2	54	71.1	15	14	US-10-354-240-132
3	49	64.5	15	14	US-10-354-240-130
4	29	38.2	14	15	US-10-436-715-403
5	28	36.8	8	14	US-10-186-815-96
6	27	35.5	9	14	US-10-150-797-22
7	27	35.5	9	15	US-10-117-937-107
8	27	35.5	9	15	US-10-117-937-109
9	27	35.5	10	14	US-10-128-711-92
10	27	35.5	10	14	US-10-128-711-151
11	27	35.5	10	15	US-10-366-709-1
12	27	35.5	10	15	US-10-117-937-108
13	27	35.5	10	15	US-10-117-937-110
14	27	35.5	11	15	US-10-378-173-98
15	27	35.5	13	14	US-10-300-694A-21

16	27	35.5	15	9	US-09-894-998-63	Sequence 63, Appl
17	27	35.5	15	14	US-10-121-988-63	Sequence 63, Appl
18	27	35.5	15	14	US-10-121-988-137	Sequence 137, App
19	27	35.5	15	14	US-10-121-988-139	Sequence 139, App
20	27	35.5	15	14	US-10-200-562-63	Sequence 63, Appl
21	27	35.5	15	14	US-10-200-562-137	Sequence 137, App
22	27	35.5	15	14	US-10-200-562-139	Sequence 139, App
23	27	35.5	15	14	US-10-237-551-63	Sequence 63, Appl
24	27	35.5	15	14	US-10-237-551-137	Sequence 137, App
25	27	35.5	15	14	US-10-237-551-139	Sequence 139, App
26	27	35.5	15	14	US-10-354-240-133	Sequence 133, App
27	27	35.5	15	14	US-10-210-428-16	Sequence 16, Appl
28	27	35.5	15	14	US-10-210-428-24	Sequence 24, Appl
29	26	34.2	9	9	US-09-771-192-35	Sequence 35, Appl
30	26	34.2	9	9	US-09-834-765-55	Sequence 55, Appl
31	26	34.2	9	9	US-09-900-936-35	Sequence 35, Appl
32	26	34.2	9	10	US-09-772-819-35	Sequence 35, Appl
33	26	34.2	9	12	US-10-174-443-35	Sequence 35, Appl
34	26	34.2	9	14	US-10-341-001-35	Sequence 35, Appl
35	26	34.2	10	9	US-09-834-765-78	Sequence 78, Appl
36	26	34.2	13	10	US-09-848-107-13	Sequence 13, Appl
37	26	34.2	14	12	US-10-601-837-110	Sequence 110, App
38	26	34.2	15	9	US-09-217-268B-29	Sequence 29, Appl
39	25	32.9	6	12	US-10-414-524-35	Sequence 35, Appl
40	25	32.9	6	12	US-10-414-524-49	Sequence 49, Appl
41	25	32.9	6	12	US-10-414-524-52	Sequence 52, Appl
42	25	32.9	6	12	US-10-414-524-57	Sequence 57, Appl
43	25	32.9	10	9	US-09-976-787-4	Sequence 4, Appl
44	25	32.9	10	9	US-09-865-198-4	Sequence 4, Appl
45	25	32.9	10	10	US-09-563-222-41	Sequence 41, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-131  
; Sequence 131, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daijiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 131  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cysj2 peptide, Figure 2, Row 48  
US-10-354-240-131

Query Match 100.0%; Score 76; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.6e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SRAEVSYPVHNGAKF 15

Db 1 SRAEVSYPVHNGAKF 15

RESULT 2  
 US-10-354-240-132  
 ; Sequence 132, Application US/10354240  
 ; Publication No. US20030185847A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sone, Toshio  
 ; APPLICANT: Kume, Akinori  
 ; APPLICANT: Daijiki, Kazuo  
 ; APPLICANT: Iwama, Akiko  
 ; APPLICANT: Kino, Kohsuke  
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
 ; FILE REFERENCE: SPO-103D1  
 ; CURRENT APPLICATION NUMBER: US/10/354,240  
 ; PRIOR FILING DATE: 2003-01-29  
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
 ; PRIOR FILING DATE: 1997-03-10  
 ; PRIOR APPLICATION NUMBER: US 09/142,524  
 ; PRIOR FILING DATE: 1998-09-09  
 ; NUMBER OF SEQ ID NOS: 174  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 132  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Cryptomeria japonica  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (1)..(15)  
 ; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 49  
 US-10-354-240-132  
 Query Match 71.1%; Score 54; DB 14; Length 15;  
 Best Local Similarity 100.0%; Pred. No. 0.004;  
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 6 SYVHVNGAKF 15  
 |||||  
 DB 1 SYVHVNGAKF 10  
 |||||  
 RESULT 3  
 US-10-354-240-130  
 ; Sequence 130, Application US/10354240  
 ; Publication No. US20030185847A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sone, Toshio  
 ; APPLICANT: Kume, Akinori  
 ; APPLICANT: Daijiki, Kazuo  
 ; APPLICANT: Iwama, Akiko  
 ; APPLICANT: Kino, Kohsuke  
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
 ; FILE REFERENCE: SPO-103D1  
 ; CURRENT APPLICATION NUMBER: US/10/354,240  
 ; PRIOR FILING DATE: 2003-01-29  
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
 ; PRIOR FILING DATE: 1997-03-10  
 ; PRIOR APPLICATION NUMBER: US 09/142,524  
 ; PRIOR FILING DATE: 1998-09-09  
 ; NUMBER OF SEQ ID NOS: 174  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 130  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Cryptomeria japonica  
 ; FEATURE:  
 ; NAME/KEY: MISC FEATURE  
 ; LOCATION: (1)..(15)  
 ; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 47  
 US-10-354-240-130  
 Query Match 64.5%; Score 49; DB 14; Length 15;  
 Best Local Similarity 100.0%; Pred. No. 0.035;  
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SRAEVSYYHV 10  
 |||||  
 DB 6 SRAEVSYYHV 15  
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 RESULT 4  
 US-10-436-715-403  
 ; Sequence 403, Application US/10436715  
 ; Publication No. US20040018976A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bristol-Myers Squibb Company  
 ; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,  
 ; FILE REFERENCE: D0262 NP  
 ; CURRENT APPLICATION NUMBER: US/10/436,715  
 ; CURRENT FILING DATE: 2003-05-13  
 ; PRIOR APPLICATION NUMBER: U.S. 60/380,336  
 ; PRIOR FILING DATE: 2002-05-14  
 ; NUMBER OF SEQ ID NOS: 471  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 403  
 ; LENGTH: 14  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-436-715-403  
 Query Match 38.2%; Score 29; DB 15; Length 14;  
 Best Local Similarity 62.5%; Pred. No. 1.6e+02;  
 Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
 QY 6 SYVHVNGA 13  
 |||||  
 DB 1 SHVHNGS 8  
 |||||  
 RESULT 5  
 US-10-185-815-96  
 ; Sequence 96, Application US/10185815  
 ; Publication No. US20030096354A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Eian Corporation, plc  
 ; APPLICANT: O'Mahony, Daniel  
 ; APPLICANT: Lambkin, Imelda  
 ; APPLICANT: Higgins, Lisa  
 ; TITLE OF INVENTION: Peyer's Patch And/Or M-Cell Targeting Ligands  
 ; FILE REFERENCE: E1067-20093  
 ; CURRENT APPLICATION NUMBER: US/10/185,815  
 ; CURRENT FILING DATE: 2002-10-09  
 ; PRIOR APPLICATION NUMBER: 60/302,591  
 ; PRIOR FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 99  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 96  
 ; LENGTH: 8  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Segment of rat insulin-like growth factor I receptor  
 US-10-185-815-96  
 Query Match 36.8%; Score 28; DB 14; Length 8;  
 Best Local Similarity 66.7%; Pred. No. 1e+06;  
 Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
 QY 7 YVHVNG 12  
 |||||  
 DB 2 YAHMNG 7  
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 RESULT 6  
 US-10-150-797-22  
 ; Sequence 22, Application US/10150797

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; Publication No. US20030148973A1
; GENERAL INFORMATION:
; APPLICANT: Entage, Peter
; APPLICANT: Karunakaran, Liza
; APPLICANT: Pedyczak, Artur
; APPLICANT: Barber, Brian H.
; TITLE OF INVENTION: WAGE-AL Peptides for Treating or Preventing Cancer
; FILE REFERENCE: 001-022
; CURRENT APPLICATION NUMBER: US/10/150,797
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: 60/292,590
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-150-797-22

Query Match      35.5%; Score 27; DB 14; Length 9;
Best Local Similarity 75.0%; Pred. No. 1e+06;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10
DB 2 AETSYVKV 9

RESULT 7
US-10-117-937-107
; Sequence 107, Application US/10117937
; Publication No. US2003022039A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTIMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 107
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-117-937-107

Query Match      35.5%; Score 27; DB 15; Length 9;
Best Local Similarity 75.0%; Pred. No. 1e+06;
Matches 6; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 3 AEVSIVHV 10
DB 2 AETSYVKV 9

RESULT 8
US-10-117-937-109
; Sequence 109, Application US/10117937
; Publication No. US2003022039A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.

```

```

; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTIMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 109
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-117-937-109

Query Match      35.5%; Score 27; DB 15; Length 9;
Best Local Similarity 75.0%; Pred. No. 1e+06;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10
DB 1 AETSYVKV 8

RESULT 9
US-10-128-711-92
; Sequence 92, Application US/10128711
; Publication No. US2003009834A1
; GENERAL INFORMATION:
; APPLICANT: VITIELLO, Maria A.
; APPLICANT: CHESTNUT, Robert W.
; APPLICANT: SETTE, Alessandro D.
; APPLICANT: CELIS, Esteban
; APPLICANT: GRAY, Howard
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR ELICITING
; CTLL IMMUNITY
; NUMBER OF SEQUENCES: 153
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: Steuart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/128,711
; FILING DATE: 22-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,484
; FILING DATE: 16-FEB-1994
; APPLICATION NUMBER: US 07/935,811
; FILING DATE: 26-AUG-1992
; APPLICATION NUMBER: US 07/874,491
; FILING DATE: 27-APR-1992
; APPLICATION NUMBER: US 07/827,682
; FILING DATE: 29-JAN-1992
; APPLICATION NUMBER: US 07/749,568
; FILING DATE: 28-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steven W.
; REGISTRATION NUMBER: 31,990

```

REFERENCE/DOCKET NUMBER: 14137-26-4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 467-9600  
TELEFAX: (206) 623-6793  
INFORMATION FOR SEQ ID NO: 92:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 92:  
US-10-128-711-92

Query Match 35.5%; Score 27; DB 14; Length 10;  
Best Local Similarity 75.0%; Pred. No. 2.5e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10  
|||  
Db 3 AETSIVKV 10

RESULT 10  
US-10-128-711-151  
; Sequence 151, Application US/10128711  
; Publication No. US2003009634A1  
; GENERAL INFORMATION:  
; APPLICANT: VITIELLO, Maria A.  
; CHESTNUT, Robert W.  
; SETTE, Alessandro D.  
; CELIS, Esteban  
; GRAY, Howard  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR ELICITING CTL IMMUNITY  
; NUMBER OF SEQUENCES: 153  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew  
; STREET: Stuart Street Tower, One Market Plaza  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: US  
; ZIP: 94105-1493  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/128,711  
; FILING DATE: 22-Apr-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/197,484  
; FILING DATE: 16-FEB-1994  
; APPLICATION NUMBER: US 07/935,811  
; FILING DATE: 26-AUG-1992  
; APPLICATION NUMBER: US 07/874,491  
; FILING DATE: 27-APR-1992  
; APPLICATION NUMBER: US 07/827,682  
; FILING DATE: 29-JAN-1992  
; APPLICATION NUMBER: US 07/749,568  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parmelee, Steven W.  
; REGISTRATION NUMBER: 31,990  
; REFERENCE/DOCKET NUMBER: 14137-26-4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 467-9600  
TELEFAX: (206) 623-6793  
INFORMATION FOR SEQ ID NO: 151:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids

TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 151:  
US-10-128-711-151

Query Match 35.5%; Score 27; DB 14; Length 10;  
Best Local Similarity 75.0%; Pred. No. 2.5e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSIVHV 10  
|||  
Db 3 AETSIVKV 10

RESULT 11  
US-10-366-709-1  
; Sequence 1, Application US/10366709  
; Publication No. US20030219433A1  
; GENERAL INFORMATION:  
; APPLICANT: HANSEN, HANS  
; APPLICANT: QU, ZHENGXING  
; APPLICANT: GOLDENBERG, DAVID M.  
; TITLE OF INVENTION: ANTI-CD20 ANTIBODIES AND FUSION PROTEINS THEREOF AND METHODS OF USE  
; FILE REFERENCE: 18733/115  
; CURRENT APPLICATION NUMBER: US/10/366,709  
; CURRENT FILING DATE: 2003-02-14  
; PRIOR APPLICATION NUMBER: 60/356,132  
; PRIOR FILING DATE: 2002-02-14  
; PRIOR APPLICATION NUMBER: 60/416,232  
; PRIOR FILING DATE: 2002-10-07  
; NUMBER OF SEQ ID NOS: 55  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 10  
; TYPE: PPT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: peptide  
US-10-366-709-1

Query Match 35.5%; Score 27; DB 15; Length 10;  
Best Local Similarity 57.1%; Pred. No. 2.5e+02;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 AEVSIVHV 9  
: |||:  
Db 4 SSVSVIH 10

RESULT 12  
US-10-117-937-108  
; Sequence 108, Application US/10117937  
; Publication No. US20030220239A1  
; GENERAL INFORMATION:  
; APPLICANT: CTL IMMUNO THERAPIES CORP.  
; APPLICANT: SIMARD, John, J.L.  
; APPLICANT: DIAMOND, David, C.  
; APPLICANT: LIU, Liping  
; APPLICANT: XIE, Zhidong  
; TITLE OF INVENTION: EPITOPE SEQUENCES  
; FILE REFERENCE: CTIMM.027A  
; CURRENT APPLICATION NUMBER: US/10/117,937  
; CURRENT FILING DATE: 2002-04-04  
; PRIOR APPLICATION NUMBER: US 60/282,211  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/337,017  
; PRIOR FILING DATE: 2001-11-07  
; PRIOR APPLICATION NUMBER: US 60/363,210  
; PRIOR FILING DATE: 2002-03-07

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; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 108
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-117-937-108

Query Match          35.5%; Score 27; DB 15; Length 10;
Best Local Similarity 75.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSYYHV 10
Db 3 AETSYYKV 10

RESULT 13
US-10-117-937-110
; Sequence 110, Application US/10117937
; Publication No. US20030220239A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTLLM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 110
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-117-937-110

Query Match          35.5%; Score 27; DB 15; Length 10;
Best Local Similarity 75.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AEVSYYHV 10
Db 2 AETSYYKV 9

RESULT 14
US-10-378-173-98
; Sequence 98, Application US/10378173
; Publication No. US20030232014A1
; GENERAL INFORMATION:
; APPLICANT: Burke et al.
; TITLE OF INVENTION: PHOSPHORYLATED PROTEINS AND USES RELATED THERETO
; FILE REFERENCE: MDSP-P01-023
; CURRENT APPLICATION NUMBER: US/10/378,173
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 60/360787
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 98
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: phosphorylated peptide
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: phosphorylation
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: phosphorylation
US-10-378-173-98

Query Match          35.5%; Score 27; DB 15; Length 11;
Best Local Similarity 55.6%; Pred. No. 2.8e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 6 SYVHVNGAK 14
Db 3 SYIVDGIK 11

RESULT 15
US-10-300-694A-21
; Sequence 21, Application US/10300694A
; Publication No. US20030185870A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Grinstaff, Mark W.
; APPLICANT: Kenan, Daniel J.
; APPLICANT: Walsh, Elisabeth B.
; APPLICANT: Middleton, Crystan
; TITLE OF INVENTION: INTERFACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT APPLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-05-07
; PRIOR APPLICATION NUMBER: US 60/331,843
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Polystyrene-binding peptide 21
US-10-300-694A-21

Query Match          35.5%; Score 27; DB 14; Length 13;
Best Local Similarity 62.5%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 5 VSYVHVNG 12
Db 5 VSYAHPEG 12

Search completed: April 29, 2004, 10:34:10
Job time : 30.85 secs
```

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-17

Perfect score: 79

Sequence: 1 GIDIFASKFHLOKN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*  
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2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Query Match	Score	Length	DB ID	Description
1	29	36.7	7	3	US-09-026-904-1
2	27	34.2	8	3	US-09-026-904-9
3	27	34.2	11	1	US-07-620-669-10
4	27	34.2	11	1	US-07-803-624-10
5	27	34.2	11	1	US-07-998-361-10
6	26	32.9	11	1	US-08-218-025A-127
7	26	32.9	15	1	US-08-095-332-25
8	26	32.9	15	2	US-07-760-530-25
9	26	32.9	15	5	PCT-US93-11703-34
10	26	32.9	15	5	PCT-US93-11703-35
11	26	32.9	15	5	PCT-US93-11703-36
12	26	32.9	15	5	PCT-US93-11703-37
13	25	31.6	8	4	US-03-575-847-17
14	25	31.6	9	4	US-03-575-847-9
15	25	31.6	13	5	PCT-US95-04121-4
16	25	31.6	15	1	US-08-460-874A-29
17	25	31.6	15	2	US-08-388-883B-29
18	25	31.6	15	3	US-08-462-211A-29
19	24	30.4	5	4	US-03-499-203-27
20	24	30.4	8	3	US-03-026-904-5
21	24	30.4	10	3	US-08-159-339A-656
22	24	30.4	12	1	US-07-976-358-5
23	24	30.4	12	3	US-09-026-904-4
24	24	30.4	13	2	US-08-870-864-2
25	24	30.4	15	5	PCT-US93-11703-38
26	23	29.1	10	2	US-08-428-257A-34
27	23	29.1	12	2	US-08-454-434C-16

28	23	29.1	12	4	US-09-384-361-16	Sequence 16, Appl
29	23	29.1	13	1	US-08-185-448-4	Sequence 4, Appl
30	23	29.1	13	1	US-08-503-062-17	Sequence 17, Appl
31	23	29.1	13	1	US-08-406-192-4	Sequence 4, Appl
32	23	29.1	13	1	US-08-752-047-7	Sequence 7, Appl
33	23	29.1	13	2	US-08-545-151-4	Sequence 4, Appl
34	23	29.1	13	2	US-08-870-864-1	Sequence 1, Appl
35	23	29.1	13	2	US-08-542-927-1	Sequence 1, Appl
36	23	29.1	13	3	US-09-133-062D-20	Sequence 20, Appl
37	23	29.1	13	4	US-08-485-393-6	Sequence 6, Appl
38	23	29.1	13	5	PCT-US95-11405-3	Sequence 3, Appl
39	23	29.1	13	5	PCT-US95-11405-9	Sequence 9, Appl
40	23	29.1	13	5	PCT-US96-11495-17	Sequence 17, Appl
41	23	29.1	14	2	US-08-896-605A-5	Sequence 5, Appl
42	23	29.1	14	3	US-09-000-041A-5	Sequence 5, Appl
43	23	29.1	14	3	US-08-811-583-11	Sequence 11, Appl
44	23	29.1	15	2	US-08-647-960-12	Sequence 12, Appl
45	23	29.1	15	4	US-09-073-009-63	Sequence 63, Appl

## ALIGNMENTS

RESULT 1  
US-09-026-904-1  
; Sequence 1, Application US/09026904  
; Patent No. 6245502  
; GENERAL INFORMATION:  
; APPLICANT: Emi, B.  
; TITLE OF INVENTION: TARGET SYSTEM  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/026,904  
; FILING DATE: Concurrently herewith  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Gerald J. Flintoft  
; REGISTRATION NUMBER: 20,823  
; REFERENCE/DOCKET NUMBER:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-790-9090  
; TELEFAX: 212-869-9741  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-026-904-1

Query Match 36.7%; Score 29; DB 3; Length 7;  
Best Local Similarity 71.4%; Pred. No. 3e+05;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 8 KNFHLQK 14  
Db 1 KKFLRK 7

RESULT 2

US-09-026-904-9  
; Sequence 9, Application US/09026904  
; Patent No. 6245502  
; GENERAL INFORMATION:  
; APPLICANT: Emi, B.  
; TITLE OF INVENTION: TARGET SYSTEM  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/026,904  
; FILING DATE: Concurrently herewith  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Gerald J. Flintoft  
; REGISTRATION NUMBER: 20,823  
; REFERENCE/DOCKET NUMBER:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-790-9090  
; TELEFAX: 212-869-9741  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-026-904-9

Query Match 34.2%; Score 27; DB 3; Length 8;  
Best Local Similarity 57.1%; Pred. No. 3e+05;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 8 KNFHLQK 14  
| | | | |  
Db 1 KXFKRK 7

RESULT 3  
US-07-620-669-10  
; Sequence 10, Application US/07620669  
; Patent No. 5177188  
; GENERAL INFORMATION:  
; APPLICANT: Ginsberg, Mark H  
; APPLICANT: McMillan, Robert  
; APPLICANT: Pflow, Edward F  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING  
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: The Scripps Research Institute, Office of  
; ADDRESSEE: Patent Counsel  
; STREET: 3366 No. 5177188th Torrey Pines Ct., Suite 240  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/620,669  
; FILING DATE: 19901203  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitting, Thomas  
; REGISTRATION NUMBER: 34,163  
; REFERENCE/DOCKET NUMBER: SCR0354P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619-554-2937  
; TELEFAX: 619-554-6312  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
US-07-620-669-10

Query Match 34.2%; Score 27; DB 1; Length 11;  
Best Local Similarity 71.4%; Pred. No. 80;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 SKNFHLQ 13  
| | | | |  
Db 5 SKNFSLQ 11

RESULT 4  
US-07-803-624-10  
; Sequence 10, Application US/07803624  
; Patent No. 5391704  
; GENERAL INFORMATION:  
; APPLICANT: McMillan, Robert  
; APPLICANT: Ginsberg, Mark H  
; APPLICANT: Pflow, Edward F  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING  
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Office of Patent Counsel, The Scripps  
; ADDRESSEE: Research Institute  
; STREET: 10866 No. 5391704th Torrey Pines Road, TPC 8  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/803,624  
; FILING DATE: 19911127  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/620,669  
; FILING DATE: 03-DEC-1900  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitting, Thomas  
; REGISTRATION NUMBER: 34,163  
; REFERENCE/DOCKET NUMBER: SCR0597P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619-554-2937  
; TELEFAX: 619-554-6312  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:



LENGTH: 11 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-07-803-624-10

Query Match 34.2%; Score 27; DB 1; Length 11;  
Best Local Similarity 71.4%; Pred. No. 80;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 SKNFHLQ 13  
Db 5 SKNFSIQ 11

## RESULT 5

US-07-998-361-10  
; Sequence 10, Application US/07998361  
; Patent No. 5399481  
; GENERAL INFORMATION:  
; APPLICANT: McMillan, Robert  
; APPLICANT: Ginsberg, Mark H  
; APPLICANT: Plow, Edward F  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING  
; TITLE OF INVENTION: CHRONIC IMMUNE THROMBOCYTOPENIC PURPURA  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Office of Patent Counsel, The Scripps  
; ADDRESSEE: Research Institute  
; STREET: 10666 No. 5399481th Torrey Pines Road, TPC 8  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/998,361  
; FILING DATE: 19921229  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/803,624  
; FILING DATE: 27-NOV-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/620,669  
; FILING DATE: 03-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitting, Thomas  
; REGISTRATION NUMBER: 34,163  
; REFERENCE/DOCKET NUMBER: SCRI212P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619-554-2937  
; TELEFAX: 619-554-6312  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
US-07-998-361-10

Query Match 34.2%; Score 27; DB 1; Length 11;  
Best Local Similarity 71.4%; Pred. No. 80;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 SKNFHLQ 13  
Db 5 SKNFSIQ 11

## RESULT 6

US-08-218-025A-127  
; Sequence 127, Application US/08218025A  
; Patent No. 5556744  
; GENERAL INFORMATION:  
; APPLICANT: Weiner, David B.  
; APPLICANT: Ugen, Kenneth E.  
; APPLICANT: Williams, William V.  
; TITLE OF INVENTION: Methods and Compositions for Diagnosing  
; TITLE OF INVENTION: and Treating Certain HIV Infected Patients  
; NUMBER OF SEQUENCES: 197  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Howson and Howson  
; STREET: P.O. Box 457, 321 No. 5556744aristown Road  
; CITY: Spring House  
; STATE: Pennsylvania  
; COUNTRY: U.S.A.  
; ZIP: 19477  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/218,025A  
; FILING DATE: 24-MAR-1994  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/891,451  
; FILING DATE: 29-MAY-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bak, Mary E.  
; REGISTRATION NUMBER: 31,215  
; REFERENCE/DOCKET NUMBER: WST33A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 540-9206  
; TELEFAX: (215) 540-5818  
; INFORMATION FOR SEQ ID NO: 127:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
US-08-218-025A-127

Query Match 32.9%; Score 26; DB 1; Length 11;  
Best Local Similarity 44.4%; Pred. No. 1.2e+02;  
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 7 SKNFHLQKN 15  
Db 3 TENFNWKN 11

## RESULT 7

US-08-095-332-25  
; Sequence 25, Application US/08095332  
; Patent No. 5711947  
; GENERAL INFORMATION:  
; APPLICANT: Berzofsky, Jay A.  
; APPLICANT: Takahashi, Hidemi  
; APPLICANT: Germain, Ronald N.  
; TITLE OF INVENTION: METHOD TO INDUCE CYTOTOXIC T LYMPHOCYTES  
; TITLE OF INVENTION: SPECIFIC FOR A BROAD ARRAY OF HIV-1 ISOLATES USING HYBRID  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Birch, Stewart, Kolash & Birch  
STREET: 301 N. Washington  
CITY: Falls Church  
STATE: Virginia  
COUNTRY: USA  
ZIP: 22046-0747  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/605,332  
FILING DATE: 23-JUL-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/760,530  
FILING DATE: 18-SEP-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Svensson, Leonard R.  
REGISTRATION NUMBER: 30,330  
REFERENCE/DOCKET NUMBER: 1173-354p  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-241-1300  
TELEFAX: 703-241-2848  
TELEX: 248345  
INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
ORGANISM: HIV-1  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..15  
OTHER INFORMATION: /label= peptide  
OTHER INFORMATION: /note= "peptide 18NM(Y-H); synthetic, chimeric  
OTHER INFORMATION: peptide; sequence = region of HIV-1 strain MN  
OTHER INFORMATION: gp160 envelope glycoprotein that is homologous to  
OTHER INFORMATION: residues 315-329 of strain IIIB, except that 325(Y) is  
OTHER INFORMATION: substituted by (H)."  
US-08-095-332-25  
Query Match 32.9%; Score 26; DB 1; Length 15;  
Best Local Similarity 42.9%; Pred. No. 1.8e+02;  
Matches 6; Conservative 1; Mismatches 7; Indels 0; Gaps 0;  
QY 2 IDIFASKNFHLQKN 15  
DB 2 IHIGGRAFTTKN 15  
RESULT 8  
US-07-760-530-25  
Sequence 25, Application US/07760530  
Patent No. 582085  
GENERAL INFORMATION:  
APPLICANT: Berzofsky, Jay A.  
APPLICANT: Takahashi, Hidemi  
APPLICANT: Germain, Ronald N.  
TITLE OF INVENTION: METHOD TO INDUCE CYTOTOXIC T LYMPHOCYTES  
TITLE OF INVENTION: SPECIFIC FOR A BROAD ARRAY OF HIV-1 ISOLATES USING HYBRID  
TITLE OF INVENTION: SYNTHETIC PEPTIDES  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Birch, Stewart, Kolash & Birch  
STREET: 301 N. Washington  
CITY: Falls Church  
STATE: Virginia  
COUNTRY: USA

ZIP: 22046-0747  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/760,530  
FILING DATE: 19910918  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Svensson, Leonard R.  
REGISTRATION NUMBER: 30,330  
REFERENCE/DOCKET NUMBER: 1173-354p  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-241-1300  
TELEFAX: 703-241-2848  
TELEX: 248345  
INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
ORGANISM: HIV-1  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..15  
OTHER INFORMATION: /label= peptide  
OTHER INFORMATION: peptide; sequence = region of HIV-1 strain MN  
OTHER INFORMATION: gp160 envelope glycoprotein that is homologous to  
OTHER INFORMATION: gp160 envelope glycoprotein that is homologous to  
US-07-760-530-25  
Query Match 32.9%; Score 26; DB 2; Length 15;  
Best Local Similarity 42.9%; Pred. No. 1.8e+02;  
Matches 6; Conservative 1; Mismatches 7; Indels 0; Gaps 0;  
QY 2 IDIFASKNFHLQKN 15  
DB 2 IHIGGRAFTTKN 15  
RESULT 9  
PCT-US93-11703-34  
Sequence 34, Application PC/TUS9311703  
GENERAL INFORMATION:  
APPLICANT: Chiron Mimotopes Pty. Ltd.  
TITLE OF INVENTION: T-Cell Epitopes  
NUMBER OF SEQUENCES: 75  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Grant D. Green  
STREET: 4560 Horton St.  
CITY: Emeryville  
STATE: CA  
COUNTRY: USA  
ZIP: 94608  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30B  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/11703  
FILING DATE: 28-DEC-1993  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/964,852  
FILING DATE: 02-DEC-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Green, Grant D.

REGISTRATION NUMBER: 31,259  
REFERENCE/DOCKET NUMBER: 0222.101  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 510-601-2706  
TELEFAX: 510-655-3542  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US93-11703-34

Query Match 32.9%; Score 26; DB 5; Length 15;  
Best Local Similarity 44.4%; Pred. No. 1.8e+02;  
Matches 4; Conservative 4; Mismatches 1; Indels 0;

QY 7 SKNFHLQKN 15  
:|:|:|  
Db 7 TENFNWKN 15

RESULT 10  
PCT-US93-11703-35  
; Sequence 35, Application PC/TUS9311703  
; GENERAL INFORMATION:  
; APPLICANT: Chiron Mimotopes Pty. Ltd.  
; TITLE OF INVENTION: T-Cell Epitopes  
; NUMBER OF SEQUENCES: 75  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Grant D. Green  
; STREET: 4560 Horton St.  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94608  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30B  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US93/11703  
; FILING DATE: 28-DEC-1993  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/984,852  
; FILING DATE: 02-DEC-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Green, Grant D.  
; REGISTRATION NUMBER: 31,259  
; REFERENCE/DOCKET NUMBER: 0222.101  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 510-601-2706  
; TELEFAX: 510-655-3542  
; INFORMATION FOR SEQ ID NO: 35:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
PCT-US93-11703-35

Query Match 32.9%; Score 26; DB 5; Length 15;  
Best Local Similarity 44.4%; Pred. No. 1.8e+02;  
Matches 4; Conservative 4; Mismatches 1; Indels 0;

QY 7 SKNFHLQKN 15  
:|:|:|  
Db 5 TENFNWKN 13

RESULT 11  
PCT-US93-11703-36  
; Sequence 36, Application PC/TUS9311703  
; GENERAL INFORMATION:  
; APPLICANT: Chiron Mimotopes Pty. Ltd.  
; TITLE OF INVENTION: T-Cell Epitopes  
; NUMBER OF SEQUENCES: 75  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Grant D. Green  
; STREET: 4560 Horton St.  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94608  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30B  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US93/11703  
; FILING DATE: 28-DEC-1993  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/984,852  
; FILING DATE: 02-DEC-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Green, Grant D.  
; REGISTRATION NUMBER: 31,259  
; REFERENCE/DOCKET NUMBER: 0222.101  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 510-601-2706  
; TELEFAX: 510-655-3542  
; INFORMATION FOR SEQ ID NO: 36:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
PCT-US93-11703-36

Query Match 32.9%; Score 26; DB 5; Length 15;  
Best Local Similarity 44.4%; Pred. No. 1.8e+02;  
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 7 SKNFHLQKN 15  
:|:|:|  
Db 3 TENFNWKN 11

RESULT 12  
PCT-US93-11703-37  
; Sequence 37, Application PC/TUS9311703  
; GENERAL INFORMATION:  
; APPLICANT: Chiron Mimotopes Pty. Ltd.  
; TITLE OF INVENTION: T-Cell Epitopes  
; NUMBER OF SEQUENCES: 75  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Grant D. Green  
; STREET: 4560 Horton St.  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94608  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30B  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US93/11703

; FILING DATE: 28-DEC-1993  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/984,852  
 ; FILING DATE: 02-DEC-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Green, Grant D.  
 ; REGISTRATION NUMBER: 31,259  
 ; REFERENCE/DOCKET NUMBER: 0222.101  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 510-601-2706  
 ; TELEFAX: 510-655-3542  
 ; INFORMATION FOR SEQ ID NO: 37:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 15 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; PCT-US93-11703-37

Query Match 32.9%; Score 26; DB 5; Length 15;  
 Best Local Similarity 44.4%; Pred. No. 1.8e+02;  
 Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 7 SKNFHLOKN 15  
 :|||: ||  
 Db 1 TENFMWKN 9

RESULT 13  
 US-09-575-847-17  
 ; Sequence 17, Application US/09575847  
 ; Patent No. 6593135  
 ; GENERAL INFORMATION:  
 ; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
 ; APPLICANT: WACHTER, Rebekka  
 ; TITLE OF INVENTION: LONG WAVELENGTH ENGINEERED FLUORESCENT PROTEINS  
 ; FILE REFERENCE: REGEN1250-5  
 ; CURRENT APPLICATION NUMBER: US/09/575,847  
 ; CURRENT FILING DATE: 2000-05-19  
 ; PRIOR APPLICATION NUMBER: US 08/974,737  
 ; PRIOR FILING DATE: 1997-11-19  
 ; PRIOR APPLICATION NUMBER: US 08/911,825  
 ; PRIOR FILING DATE: 1997-08-15  
 ; PRIOR APPLICATION NUMBER: US 08/706,408  
 ; PRIOR FILING DATE: 1996-08-30  
 ; NUMBER OF SEQ ID NOS: 20  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 17  
 ; LENGTH: 8  
 ; TYPE: PRT  
 ; ORGANISM: Artificial sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Mutant Green Fluorescent Protein  
 ; US-09-575-847-17

Query Match 31.6%; Score 25; DB 4; Length 8;  
 Best Local Similarity 80.0%; Pred. No. 3e+05;  
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 10 FHLQK 14  
 :|||: ||  
 Db 1 FHLQK 5

RESULT 14  
 US-09-575-847-9  
 ; Sequence 9, Application US/09575847  
 ; Patent No. 6593135  
 ; GENERAL INFORMATION:  
 ; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

; APPLICANT: WACHTER, Rebekka  
 ; APPLICANT: REMINGTON, James  
 ; TITLE OF INVENTION: LONG WAVELENGTH ENGINEERED FLUORESCENT PROTEINS  
 ; FILE REFERENCE: REGEN1250-5  
 ; CURRENT APPLICATION NUMBER: US/09/575,847  
 ; CURRENT FILING DATE: 2000-05-19  
 ; PRIOR APPLICATION NUMBER: US 08/974,737  
 ; PRIOR FILING DATE: 1997-11-19  
 ; PRIOR APPLICATION NUMBER: US 08/911,825  
 ; PRIOR FILING DATE: 1997-08-15  
 ; PRIOR APPLICATION NUMBER: US 08/706,408  
 ; PRIOR FILING DATE: 1996-08-30  
 ; NUMBER OF SEQ ID NOS: 20  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 9  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Mutant Green Fluorescent Protein  
 ; US-09-575-847-9

Query Match 31.6%; Score 25; DB 4; Length 9;  
 Best Local Similarity 80.0%; Pred. No. 3e+05;  
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 10 FHLQK 14  
 :|||: ||  
 Db 2 FHLQK 6

RESULT 15  
 PCT-US95-04121-4  
 ; Sequence 4, Application PC/TUS9504121  
 ; GENERAL INFORMATION:  
 ; APPLICANT:  
 ; TITLE OF INVENTION: Haptenated Peptides and Uses Thereof  
 ; NUMBER OF SEQUENCES: 62  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US95/04121  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/222,206  
 ; FILING DATE: April 1, 1994  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Vanstone, Darlene A.  
 ; REGISTRATION NUMBER: 35,279  
 ; REFERENCE/DOCKET NUMBER: 079.2PCT  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (617) 466-6000  
 ; TELEFAX: (617) 466-6010  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 13 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS:  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; FRAGMENT TYPE: internal  
 ; PCT-US95-04121-4

Query Match 31.6%; Score 25; DB 5; Length 13;  
 Best Local Similarity 71.4%; Pred. No. 2.3e+02;  
 Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 DIPASKN 9  
 :|||: ||

Db 2 DIAEKN 8

Search completed: April 29, 2004, 09:27:33  
Job time : 11.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-18

Perfect score: 79

Sequence: 1 ASKNFHLQKNTIGTG 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US05\_NEW\_PUB.pep.\*  
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10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
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13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*  
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17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	79	100.0	15	14	US-10-354-240-121
2	54	68.4	15	14	US-10-354-240-122
3	53	67.1	15	14	US-10-354-240-120
4	33	41.8	15	14	US-10-345-071-8
5	30	38.0	8	9	US-09-984-056-58
6	30	38.0	8	9	US-09-984-056-59
7	30	38.0	8	9	US-09-984-057-58
8	30	38.0	8	9	US-09-984-057-59
9	30	38.0	8	14	US-10-105-232-58
10	30	38.0	8	14	US-10-105-232-59
11	30	38.0	8	14	US-10-189-437-58
12	30	38.0	8	14	US-10-189-437-59
13	29	36.7	10	10	US-09-935-384-676
14	29	36.7	15	15	US-10-024-652-2552
15	28	35.4	13	16	US-10-467-209-9

16	27	34.2	7	14	US-10-105-232-411	Sequence 411, App
17	27	34.2	7	14	US-10-189-437-398	Sequence 398, App
18	27	34.2	12	14	US-10-322-142-5	Sequence 5, Appl1
19	27	34.2	14	10	US-09-993-180-40	Sequence 40, Appl1
20	27	34.2	15	9	US-09-895-828-463	Sequence 463, App
21	27	34.2	15	14	US-10-114-666-463	Sequence 463, App
22	26	32.9	6	12	US-10-438-181A-47	Sequence 47, Appl1
23	26	32.9	9	14	US-10-211-207-22	Sequence 22, Appl1
24	26	32.9	9	14	US-10-077-106-22	Sequence 22, Appl1
25	26	32.9	9	15	US-10-428-335-141	Sequence 141, App
26	26	32.9	10	14	US-10-200-708-111	Sequence 111, App
27	26	32.9	14	9	US-09-966-955A-43	Sequence 43, Appl1
28	26	32.9	14	14	US-10-120-604-117	Sequence 117, App
29	26	32.9	15	14	US-10-047-264A-14	Sequence 14, Appl1
30	26	32.9	15	14	US-10-354-240-123	Sequence 123, App
31	25	31.6	8	10	US-03-575-847-17	Sequence 17, Appl1
32	25	31.6	8	15	US-10-620-099-17	Sequence 17, Appl1
33	25	31.6	9	10	US-09-575-847-9	Sequence 9, Appl1
34	25	31.6	9	12	US-10-363-208-116	Sequence 116, App
35	25	31.6	9	12	US-10-253-286-689	Sequence 689, App
36	25	31.6	9	15	US-10-024-652-140	Sequence 140, App
37	25	31.6	9	15	US-10-024-652-233	Sequence 233, App
38	25	31.6	9	15	US-10-024-652-843	Sequence 643, App
39	25	31.6	9	15	US-10-024-652-966	Sequence 966, App
40	25	31.6	9	15	US-10-024-652-1263	Sequence 1263, App
41	25	31.6	9	15	US-10-024-652-1281	Sequence 1281, App
42	25	31.6	9	15	US-10-024-652-2023	Sequence 2023, App
43	25	31.6	9	15	US-10-245-871-689	Sequence 689, App
44	25	31.6	9	15	US-10-620-099-9	Sequence 9, Appl1
45	25	31.6	10	14	US-10-006-889-3199	Sequence 3199, App

#### ALIGNMENTS

RESULT 1  
US-10-354-240-121  
; Sequence 121, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daiiiki, Kazuo  
; APPLICANT: Iwama, Akiho  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease.  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 121  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 38  
US-10-354-240-121

Query Match 100.0%; Score 79; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 7e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASKNFHLQKNTIGTG 15

Db 1 ASKNFHLQKNTIGTG 15

```

RESULT 2
US-10-354-240-122
; Sequence 122, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-25
; PRIOR APPLICATION NUMBER: PCT/JPS97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 122
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 39
US-10-354-240-122

Query Match      68.4%; Score 54; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 HLQKNTIGTG 15
DB      1 HLQKNTIGTG 10

RESULT 3
US-10-354-240-120
; Sequence 120, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-25
; PRIOR APPLICATION NUMBER: PCT/JPS97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 120
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 37
US-10-354-240-120

Query Match      67.1%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 ASKNPHLOKN 10
DB      6 ASKNPHLOKN 15

RESULT 4
US-10-345-071-8
; Sequence 8, Application US/10345071
; Publication No. US20030162254A1
; GENERAL INFORMATION:
; APPLICANT: Peerce, Brian E.
; TITLE OF INVENTION: NAPI TYPE IIB POLYPEPTIDES AND METHODS FOR
; FILE REFERENCE: 026.00621 (PEER-BE-02B)
; CURRENT APPLICATION NUMBER: US/10/345,071
; CURRENT FILING DATE: 2003-01-15
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 8
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Rabbit
US-10-345-071-8

Query Match      41.8%; Score 33; DB 14; Length 15;
Best Local Similarity 54.5%; Pred. No. .70;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY      4 NEHLQKNTIGT 14
DB      2 NEHLPLDLAGVT 12

RESULT 5
US-09-984-056-58
; Sequence 58, Application US/09984056
; Patent No. US20020120106A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: ANTHRAX AND SMALL POX REPLICONS AND METHODS OF USE
; FILE REFERENCE: 09425-46903
; CURRENT APPLICATION NUMBER: US/09/984,056
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: Patent in 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-09-984-056-58

Query Match      38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      3 KNFHLQK 9
DB      1 KNHLEK 7

RESULT 6
US-09-984-056-59

```

```
; Sequence 59, Application US/09984056
; Patent No. US20020120106A1
; GENERAL INFORMATION: SAMUEL
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: ANTHRAX AND SMALL POX REPLICINS AND METHODS OF USE
; FILE REFERENCE: 09425-46903
; CURRENT APPLICATION NUMBER: US/09/984,056
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-984-056-59
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Query Match 38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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```
Qy 3 KNFHLOK 9
Db 1 KNIHLEK 7
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# RESULT 7

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US-09-984-057-58
; Sequence 58, Application US/09984057
; Patent No. US20020151677A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: REPLICINS AND METHODS OF IDENTIFYING
; TITLE OF INVENTION: REPLICIN-CONTAINING SEQUENCES
; FILE REFERENCE: 09425-46902
; CURRENT APPLICATION NUMBER: US/09/984,057
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
; US-09-984-057-58
```

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Query Match 38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 3 KNFHLOK 9
Db 1 KNIHLEK 7
```

# RESULT 8

```
US-09-984-057-59
; Sequence 59, Application US/09984057
; Patent No. US20020151677A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: REPLICINS AND METHODS OF IDENTIFYING
; TITLE OF INVENTION: REPLICIN-CONTAINING SEQUENCES
; FILE REFERENCE: 09425-46902
; CURRENT APPLICATION NUMBER: US/09/984,057
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-984-057-59
```

```
Query Match 38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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```
Qy 3 KNFHLOK 9
Db 1 KNIHLEK 7
```

# RESULT 9

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US-10-105-232-58
; Sequence 58, Application US/10105232
; Publication No. US20030180328A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLICIN PEPTIDES IN RAPID REPLICATION OF GLIOMA CELLS
; TITLE OF INVENTION: AND IN INFLUENZA EPIDEMICS
; FILE REFERENCE: 09425-46904
; CURRENT APPLICATION NUMBER: US/10/105,232
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
; US-10-105-232-58
```

```
Query Match 38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;
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Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 3 KNFHLQK 9  
|||:  
Db 1 KNIHLEK 7

RESULT 10  
US-10-105-232-59  
; Sequence 59, Application US/10105232  
; Publication No. US20030180328A1  
; GENERAL INFORMATION:  
; APPLICANT: BOGOCH, ELENORE S.  
; TITLE OF INVENTION: REPLIKIN PEPTIDES IN RAPID REPLICATION OF GLIOMA CELLS  
; FILE REFERENCE: 09425-46904  
; CURRENT APPLICATION NUMBER: US/10/105,232  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: 60/303,396  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: 60/278,761  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: 09/146,755  
; PRIOR FILING DATE: 1998-09-04  
; PRIOR APPLICATION NUMBER: 09/817,144  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: 08/198,139  
; PRIOR FILING DATE: 1994-02-17  
; NUMBER OF SEQ ID NOS: 535  
; SOFTWARE: PatentIn 2.1  
; SEQ ID NO 59  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-105-232-59

Query Match 38.0%; Score 30; DB 14; Length 8;  
Best Local Similarity 71.4%; Pred. No. le+06;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 KNFHLQK 9  
|||:  
Db 1 KNIHLEK 7

RESULT 11  
US-10-189-437-58  
; Sequence 58, Application US/10189437  
; Publication No. US20030194414A1  
; GENERAL INFORMATION:  
; APPLICANT: BOGOCH, ELENORE S.  
; TITLE OF INVENTION: REPLIKIN PEPTIDES AND ANTIBODIES THEREFORE  
; FILE REFERENCE: 09425/46905  
; CURRENT APPLICATION NUMBER: US/10/189,437  
; PRIOR FILING DATE: 2002-07-08  
; PRIOR APPLICATION NUMBER: 10/105,232  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: 09/984,057  
; PRIOR FILING DATE: 2001-10-26  
; PRIOR APPLICATION NUMBER: 60/303,396  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: 60/278,761  
; PRIOR FILING DATE: 2001-03-27  
; NUMBER OF SEQ ID NOS: 729  
; SOFTWARE: PatentIn 2.1  
; SEQ ID NO 58  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Feline sarcoma virus  
US-10-189-437-58

Query Match 38.0%; Score 30; DB 14; Length 8;  
Best Local Similarity 71.4%; Pred. No. le+06;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 3 KNFHLQK 9  
|||:  
Db 1 KNIHLEK 7

RESULT 12  
US-10-189-437-59  
; Sequence 59, Application US/10189437  
; Publication No. US20030194414A1  
; GENERAL INFORMATION:  
; APPLICANT: BOGOCH, ELENORE S.  
; TITLE OF INVENTION: REPLIKIN PEPTIDES AND ANTIBODIES THEREFORE  
; FILE REFERENCE: 09425/46905  
; CURRENT APPLICATION NUMBER: US/10/189,437  
; PRIOR FILING DATE: 2002-07-08  
; PRIOR APPLICATION NUMBER: 10/105,232  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: 09/984,057  
; PRIOR FILING DATE: 2001-10-26  
; PRIOR APPLICATION NUMBER: 60/303,396  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: 60/278,761  
; PRIOR FILING DATE: 2001-03-27  
; NUMBER OF SEQ ID NOS: 729  
; SOFTWARE: PatentIn 2.1  
; SEQ ID NO 59  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-189-437-59

Query Match 38.0%; Score 30; DB 14; Length 8;  
Best Local Similarity 71.4%; Pred. No. le+06;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 KNFHLQK 9  
|||:  
Db 1 KNIHLEK 7

RESULT 13  
US-09-935-384-676  
; Sequence 676, Application US/09935384  
; Publication No. US20030166526A1  
; GENERAL INFORMATION:  
; APPLICANT: CHALLITA-EID, PIA  
; APPLICANT: HUBERT, RENE  
; APPLICANT: RAITANO, ARTHUR  
; APPLICANT: APAR, DANIEL  
; APPLICANT: LEVIN, ELANA  
; APPLICANT: FARIS, MARY  
; APPLICANT: GE, WANGMAO  
; APPLICANT: JAKOBOWITZ, AVA  
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P.LH4  
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND  
; FILE REFERENCE: 51158-20033.00  
; CURRENT APPLICATION NUMBER: US/09/935,384  
; CURRENT FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: 60/227,098  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 783  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 676  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-935-384-676

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Query Match      36.7%; Score 29; DB 10; Length 10;
Best Local Similarity 44.4%; Pred. No. 2.3e+02;
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 2 SKNFHLQKN 10
   ||:::
Db 2 SKKYHIQOS 10

RESULT 14
US-10-024-652-2552
; Sequence 2552, Application US/10024652
; Publication No. US20030219738A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Faris, Mary
; APPLICANT: Afar, Daniel B.H.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Mitchell, Steve Chappell
; APPLICANT: Levin, Elana
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc
; TITLE OF INVENTION: Transporter Protein Entitled 108PSH8 Useful in Treatment and
; TITLE OF INVENTION: Detection of Cancer
; FILE REFERENCE: 51158-20025.00
; CURRENT APPLICATION NUMBER: US/10/024,652
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/256,210
; PRIOR FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 2598
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2552
; LENGTH: 15
; TYPE: PRT
; ORGANISM: homo sapien
US-10-024-652-2552

Query Match      36.7%; Score 29; DB 15; Length 15;
Best Local Similarity 58.3%; Pred. No. 3.5e+02;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 SKNFHLQKNITG 13
   |||||
Db 1 SKANHLLENTFG 12

RESULT 15
US-10-467-209-9
; Sequence 9, Application US/10467209
; Publication No. US20040076991A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; TITLE OF INVENTION: MODIFIED INTERLEUKIN-1 RECEPTOR
; TITLE OF INVENTION: ANTAGONIST (IL-1RA) WITH REDUCED IMMUNOGENICITY
; FILE REFERENCE: MER-110
; CURRENT APPLICATION NUMBER: US/10/467,209
; CURRENT FILING DATE: 2003-08-05
; PRIOR APPLICATION NUMBER: 01102573.1
; PRIOR FILING DATE: 2001-02-06
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: PCT/EP02/01170
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
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; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope of human leptin
US-10-467-209-9

Query Match      35.4%; Score 28; DB 16; Length 13;
Best Local Similarity 38.5%; Pred. No. 4.5e+02;
Matches 5; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 3 KNFHLQKNTIGTG 15
   ||:::
Db 1 KTFYLENNQLVAG 13

Search completed: April 29, 2004, 10:34:10
Job time : 30.85 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds

(without alignments)

65.349 Million cell updates/sec

Title: US-09-308-027A-16

Perfect score: 85

Sequence: 1 PEFHLVFGNCEGVKI 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

1: /cgn2\_6/ptodata/2/iaa/5A COMB.pep.\*

2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*

3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*

4: /cgn2\_6/ptodata/2/iaa/6B COMB.pep.\*

5: /cgn2\_6/ptodata/2/iaa/PTCUS COMB.pep.\*

6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	31	36.5	5	3	US-08-467-580-96
2	31	36.5	5	3	US-08-467-580-104
3	31	36.5	5	5	PCT-US95-08516-104
4	31	36.5	6	3	US-08-467-580-97
5	31	36.5	6	3	US-08-467-580-121
6	31	36.5	6	5	PCT-US95-08516-121
7	29	34.1	12	2	US-08-406-330-64
8	29	34.1	12	2	US-08-556-597-64
9	28	32.9	5	3	US-08-467-580-92
10	28	32.9	5	3	US-08-467-580-94
11	28	32.9	5	3	US-08-467-580-102
12	28	32.9	5	3	US-08-467-580-103
13	28	32.9	5	5	PCT-US95-08516-102
14	28	32.9	5	5	PCT-US95-08516-103
15	28	32.9	6	3	US-08-467-580-93
16	28	32.9	6	3	US-08-467-580-95
17	28	32.9	6	3	US-08-467-580-110
18	28	32.9	6	3	US-08-467-580-120
19	28	32.9	6	5	PCT-US95-08516-110
20	28	32.9	6	5	PCT-US95-08516-120
21	28	32.9	12	2	US-09-066-227-2
22	28	32.9	12	2	US-08-823-143-2
23	28	32.9	14	4	US-09-101-272G-78
24	28	32.9	15	2	US-08-553-257A-16
25	28	32.9	15	4	US-09-441-992-16
26	27.5	32.4	15	2	US-08-658-639-9
27	27.5	32.4	15	3	US-08-944-604-9

28 27 31.8 5 3 US-08-467-580-80 Sequence 80, Appl  
29 27 31.8 5 3 US-08-467-580-85 Sequence 85, Appl  
30 27 31.8 5 3 US-08-467-580-90 Sequence 90, Appl  
31 27 31.8 5 3 US-08-467-580-98 Sequence 98, Appl  
32 27 31.8 5 3 US-08-467-580-100 Sequence 100, Appl  
33 27 31.8 5 3 US-08-467-580-101 Sequence 101, Appl  
34 27 31.8 5 3 US-08-467-580-105 Sequence 105, Appl  
35 27 31.8 5 3 US-08-467-580-106 Sequence 106, Appl  
36 27 31.8 5 3 US-08-467-580-114 Sequence 114, Appl  
37 27 31.8 5 5 PCT-US95-08516-80 Sequence 80, Appl  
38 27 31.8 5 5 PCT-US95-08516-85 Sequence 85, Appl  
39 27 31.8 5 5 PCT-US95-08516-90 Sequence 90, Appl  
40 27 31.8 5 5 PCT-US95-08516-92 Sequence 92, Appl  
41 27 31.8 5 5 PCT-US95-08516-94 Sequence 94, Appl  
42 27 31.8 5 5 PCT-US95-08516-96 Sequence 96, Appl  
43 27 31.8 5 5 PCT-US95-08516-98 Sequence 98, Appl  
44 27 31.8 5 5 PCT-US95-08516-100 Sequence 100, Appl  
45 27 31.8 5 5 PCT-US95-08516-101 Sequence 101, Appl

#### ALIGNMENTS

RESULT 1  
US-08-467-580-96  
; Sequence 96, Application US/08467580B  
; Patent No. 6001809  
; GENERAL INFORMATION:  
; APPLICANT: Thorsett, Eugene D  
; APPLICANT: Vednock, Theodore A  
; APPLICANT: Pleiss, Michael A  
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion  
; FILE REFERENCE: 123-US-C1P1  
; CURRENT APPLICATION NUMBER: US/08/467,580B  
; CURRENT FILING DATE: 1995-06-06  
; EARLIER APPLICATION NUMBER: 08/273,055  
; EARLIER FILING DATE: 1994-07-11  
; NUMBER OF SEQ ID NOS: 163  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 96  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: MOD\_RES  
; LOCATION: (1)  
; OTHER INFORMATION: Position 1 is D form of Val  
; FEATURE:  
; NAME/KEY: MOD\_RES  
; LOCATION: (1)  
; OTHER INFORMATION: ACETYLATION  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Peptide is  
; OTHER INFORMATION: derived from VCAM-1  
US-08-467-580-96

Query Match 36.5%; Score 31; DB 3; Length 5;  
Best Local Similarity 100.0%; Pred.No. 3e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFGNC 10

DB 1 VFGNC 5

RESULT 2  
US-08-467-580-104  
; Sequence 104, Application US/08467580B  
; Patent No. 6001809  
; GENERAL INFORMATION:  
; APPLICANT: Thorsett, Eugene D  
; APPLICANT: Vednock, Theodore A  
; APPLICANT: Pleiss, Michael A

```

; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 104
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: ACETYLATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAM-1
US-08-467-580-104

Query Match          36.5%; Score 31; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      1 VFGNC 5

RESULT 3
PCT-US95-08516-104
; Sequence 104, Application PC/TUS9508516
; GENERAL INFORMATION:
; APPLICANT: ATHENA NEUROSCIENCES, INC.
; TITLE OF INVENTION: INHIBITORS OF LEUKOCYTE ADHESION
; NUMBER OF SEQUENCES: 157
; CORRESPONDENCE ADDRESS:
; ADDRESS: ATHENA NEUROSCIENCES, INC.
; STREET: 800 Gateway Blvd.
; CITY: South San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/08516
; FILING DATE: 10-JUL-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/273,055
; FILING DATE: 11-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: MOOI, LESLIE A.
; REGISTRATION NUMBER: 37,047
; REFERENCE/DOCKET NUMBER: 002010-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 877-0900
; TELEFAX: (415) 877-3620
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: circular
PCT-US95-08516-104

Query Match          36.5%; Score 31; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      1 VFGNC 5

RESULT 4
US-08-467-580-97
; Sequence 97, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Yednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 97
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (2)_
; OTHER INFORMATION: Position 2 is D form of Val
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide is
; OTHER INFORMATION: derived from VCAM-1; Cyclic
US-08-467-580-97

Query Match          36.5%; Score 31; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      2 VFGNC 6

RESULT 5
US-08-467-580-121
; Sequence 121, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Yednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 121
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAM-1
US-08-467-580-121

Query Match          36.5%; Score 31; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy 6 VFQNC 10  
|  
|  
|  
|  
Db 2 VFQNC 6

## RESULT 6

PCT-US95-08516-121  
; Sequence 121, Application PC/TUS9508516  
; GENERAL INFORMATION:  
; APPLICANT: ATHENA NEUROSCIENCES, INC.  
; TITLE OF INVENTION: INHIBITORS OF LEUKOCYTE ADHESION  
; NUMBER OF SEQUENCES: 157  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ATHENA NEUROSCIENCES, INC.  
; STREET: 800 Gateway Blvd.  
; CITY: South San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/08516  
FILING DATE: 10-JUL-1995  
CLASSIFICATION:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/273,055  
FILING DATE: 11-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: MOOL, LESLIE A.  
REGISTRATION NUMBER: 37,047  
REFERENCE/DOCKET NUMBER: 002010-008  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 877-0900  
TELEFAX: (415) 877-3620  
INFORMATION FOR SEQ ID NO: 121:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: circular  
PCT-US95-08516-121

Query Match 36.5%; Score 31; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 38-05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 VFQNC 10  
|  
|  
|  
|  
Db 2 VFQNC 6

## RESULT 7

US-08-406-330-64  
; Sequence 64, Application US/08406330  
; Patent No. 5817748  
; GENERAL INFORMATION:  
; APPLICANT: Miller, Jonathan L.  
; APPLICANT: Lyle, Vicki A.  
; TITLE OF INVENTION: MIMOTOPES AND ANTI-MIMOTOPES OF  
; HUMAN PLATELET GLYCOPROTEIN IB/IX  
; NUMBER OF SEQUENCES: 81  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle  
; STREET: Clinton Square, P.O. Box 1051  
; CITY: Rochester  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 14603

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/406,330  
FILING DATE:

CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Timian, Susan J.  
REGISTRATION NUMBER: 34,103  
REFERENCE/DOCKET NUMBER: 20884/100  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (716) 263-1636  
TELEFAX: (716) 263-1600  
INFORMATION FOR SEQ ID NO: 64:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-406-330-64

Query Match 34.1%; Score 29; DB 2; Length 12;  
Best Local Similarity 50.0%; Pred. No. 1.3e+02;  
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 6 VFQNCQEV 13  
|  
|  
|  
|  
Db 4 LFGSCFGI 11

## RESULT 8

US-08-556-597-64  
; Sequence 64, Application US/08556597  
; Patent No. 5877155  
; GENERAL INFORMATION:  
; APPLICANT: Miller, Jonathan L.  
; APPLICANT: Lyle, Vicki A.  
; TITLE OF INVENTION: MIMOTOPES AND ANTI-MIMOTOPES OF  
; HUMAN PLATELET GLYCOPROTEIN IB/IX  
; NUMBER OF SEQUENCES: 173  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP  
; STREET: Clinton Square, P.O. Box 1051  
; CITY: Rochester  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 14603

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/556,597  
FILING DATE:

CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/406,330  
FILING DATE: 17-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Timian, Susan J.  
REGISTRATION NUMBER: 34,103  
REFERENCE/DOCKET NUMBER: 20884/101  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (716) 263-1636  
TELEFAX: (716) 263-1600  
INFORMATION FOR SEQ ID NO: 64:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids

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; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-556-597-64

Query Match      34.1%; Score 29; DB 2; Length 12;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 VFGNCEGV 13
DB      4 LFGSCFGI 11

RESULT 9
US-08-467-580-92
; Sequence 92, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Vednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 92
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: This is the D form of Met
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: ACETYLTATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAM-1, Cyclic
US-08-467-580-92

Query Match      32.9%; Score 28; DB 3; Length 5;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      1 MFGNC 5

RESULT 10
US-08-467-580-94
; Sequence 94, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Vednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 94
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: Position 1 is D form of Leu
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: ACETYLTATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide is
; OTHER INFORMATION: derived from VCAM-1
US-08-467-580-94

Query Match      32.9%; Score 28; DB 3; Length 5;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      1 LFGNC 5

RESULT 11
US-08-467-580-102
; Sequence 102, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Vednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
; FILE REFERENCE: 123-US-CIP1
; CURRENT APPLICATION NUMBER: US/08/467,580B
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/273,055
; EARLIER FILING DATE: 1994-07-11
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 102
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)_
; OTHER INFORMATION: ACETYLTATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAM-1
US-08-467-580-102

Query Match      32.9%; Score 28; DB 3; Length 5;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
DB      1 MFGNC 5

RESULT 12
US-08-467-580-103
; Sequence 103, Application US/08467580B
; Patent No. 6001809
; GENERAL INFORMATION:
; APPLICANT: Thorsett, Eugene D
; APPLICANT: Vednock, Theodore A
; APPLICANT: Pleiss, Michael A
; TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion
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FILE REFERENCE: 123-US-CIP1  
CURRENT APPLICATION NUMBER: US/08/467,580B  
CURRENT FILING DATE: 1995-06-06  
EARLIER APPLICATION NUMBER: 08/273,055  
EARLIER FILING DATE: 1994-07-11  
NUMBER OF SEQ ID NOS: 163  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 103  
LENGTH: 5  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
NAME/KEY: MOD\_RES  
LOCATION: (1)  
OTHER INFORMATION: ACETYLATION  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
OTHER INFORMATION: Derived from VCAM-1  
US-08-467-580-103

Query Match 32.9%; Score 28; DB 3; Length 5;  
Best Local Similarity 80.0%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFQNC 10  
:||||  
Db 1 LFGNC 5

RESULT 13  
PCT-US95-08516-102  
Sequence 102, Application PC/TUS9508516  
GENERAL INFORMATION:  
APPLICANT: ATHENA NEUROSCIENCES, INC.  
TITLE OF INVENTION: INHIBITORS OF LEUKOCYTE ADHESION  
NUMBER OF SEQUENCES: 157  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ATHENA NEUROSCIENCES, INC.  
STREET: 800 Gateway Blvd.  
CITY: South San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/08516  
FILING DATE: 10-JUL-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/273,055  
FILING DATE: 11-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: MOOI, LESLIE A.  
REGISTRATION NUMBER: 37,047  
TELEPHONE: (415) 877-0900  
TELEFAX: (415) 877-3620  
INFORMATION FOR SEQ ID NO: 102:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: circular  
PCT-US95-08516-102

Query Match 32.9%; Score 28; DB 5; Length 5;  
Best Local Similarity 80.0%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFQNC 10  
:||||  
Db 1 LFGNC 5

RESULT 14  
PCT-US95-08516-103  
Sequence 103, Application PC/TUS9508516  
GENERAL INFORMATION:  
APPLICANT: ATHENA NEUROSCIENCES, INC.  
TITLE OF INVENTION: INHIBITORS OF LEUKOCYTE ADHESION  
NUMBER OF SEQUENCES: 157  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ATHENA NEUROSCIENCES, INC.  
STREET: 800 Gateway Blvd.  
CITY: South San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/08516  
FILING DATE: 10-JUL-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/273,055  
FILING DATE: 11-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: MOOI, LESLIE A.  
REGISTRATION NUMBER: 37,047  
REFERENCE/DOCKET NUMBER: 002010-008  
TELEPHONE: (415) 877-0900  
TELEFAX: (415) 877-3620  
INFORMATION FOR SEQ ID NO: 103:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: circular  
PCT-US95-08516-103

Query Match 32.9%; Score 28; DB 5; Length 5;  
Best Local Similarity 80.0%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFQNC 10  
:||||  
Db 1 LFGNC 5

RESULT 15  
US-08-467-580-93  
Sequence 93, Application US/08467580B  
Patent No. 6001809  
GENERAL INFORMATION:  
APPLICANT: Thorsett, Eugene D  
APPLICANT: Yednock, Theodore A  
APPLICANT: Pleiss, Michael A  
TITLE OF INVENTION: Inhibitors of Leukocyte Adhesion  
FILE REFERENCE: 123-US-CIP1  
CURRENT APPLICATION NUMBER: US/08/467,580B  
CURRENT FILING DATE: 1995-06-06  
EARLIER APPLICATION NUMBER: 08/273,055  
EARLIER FILING DATE: 1994-07-11  
NUMBER OF SEQ ID NOS: 163  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 93

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; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (2)-
; OTHER INFORMATION: Position 2 is D form of Met
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from VCAW-1; Cyclic
US-08-467-580-93

Query Match      32.9%; Score 28; DB 3; Length 6;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
       :|||
Db      2 MFGNC 6

Search completed: April 29, 2004, 09:27:33
Job time : 12.85 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds

(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-17

Perfect score: 79

Sequence: 1 GIDIFASKNFHLQKN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB\_PEP.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	100.0	15	14	US-10-354-240-120
2	53	67.1	15	14	US-10-354-240-121
3	51	64.6	15	14	US-10-354-240-119
4	31	39.2	15	14	US-10-047-264A-14
5	30	38.0	8	9	US-09-984-056-58
6	30	38.0	8	9	US-09-984-056-58
7	30	38.0	8	9	US-09-984-057-59
8	30	38.0	8	9	US-09-984-057-59
9	30	38.0	8	14	US-10-105-232-58
10	30	38.0	8	14	US-10-105-232-59
11	30	38.0	8	14	US-10-189-437-59
12	30	38.0	8	14	US-10-189-437-59
13	29	36.7	9	15	US-10-428-335-141
14	29	36.7	10	10	US-09-935-384-676
15	29	36.7	13	14	US-10-219-834-132

16	29	36.7	15	14	US-10-084-813-9	Sequence 9, Appl
17	28	35.4	15	14	US-10-354-240-112	Sequence 112, App
18	28	35.4	15	14	US-10-354-240-122	Sequence 122, App
19	27	34.2	7	14	US-10-105-232-411	Sequence 411, App
20	27	34.2	7	14	US-10-189-437-398	Sequence 398, App
21	26	32.9	9	14	US-10-211-207-22	Sequence 22, Appl
22	26	32.9	9	14	US-10-077-106-22	Sequence 22, Appl
23	26	32.9	10	14	US-10-062-109A-446	Sequence 446, App
24	26	32.9	10	14	US-10-062-109A-511	Sequence 511, App
25	26	32.9	10	14	US-10-200-708-111	Sequence 111, App
26	26	32.9	10	14	US-10-005-480A-446	Sequence 446, App
27	26	32.9	10	14	US-10-005-480A-511	Sequence 511, App
28	26	32.9	11	9	US-09-791-378-126	Sequence 126, App
29	26	32.9	11	10	US-09-974-879-319	Sequence 319, App
30	26	32.9	11	10	US-09-791-393-152	Sequence 152, App
31	26	32.9	11	10	US-09-791-389-152	Sequence 152, App
32	26	32.9	11	10	US-09-305-736-319	Sequence 319, App
33	26	32.9	11	11	US-09-818-683-319	Sequence 319, App
34	26	32.9	11	12	US-10-621-401-319	Sequence 319, App
35	26	32.9	13	9	US-09-984-056-65	Sequence 65, Appl
36	26	32.9	13	9	US-09-984-057-65	Sequence 65, Appl
37	26	32.9	13	12	US-09-988-493-222	Sequence 222, App
38	26	32.9	13	14	US-10-105-232-65	Sequence 65, Appl
39	26	32.9	13	14	US-10-189-437-65	Sequence 524, App
40	26	32.9	14	9	US-09-791-378-524	Sequence 43, Appl
41	26	32.9	14	9	US-09-966-955A-43	Sequence 162, App
42	26	32.9	14	10	US-09-791-393-162	Sequence 162, App
43	26	32.9	14	10	US-09-791-389-162	Sequence 162, App
44	26	32.9	14	12	US-09-988-493-226	Sequence 226, App
45	26	32.9	14	12	US-10-014-340-774	Sequence 774, App

#### ALIGNMENTS

#### RESULT 1

US-10-354-240-120  
; Sequence 120, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akimori  
; APPLICANT: Dairik, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kido, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCI/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 120  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1) - (15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 37  
US-10-354-240-120

Query Match 100.0%; Score 79; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 6.3e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GIDIFASKNFHLQKN 15

DB 1 GIDIFASKNFHLQKN 15

RESULT 2  
US-10-354-240-121  
; Sequence 121, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 121  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 38  
US-10-354-240-121

Query Match 67.1%; Score 53; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.02;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ASKNPHLQKN 15  
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Db 1 ASKNPHLQKN 10

RESULT 3  
US-10-354-240-119  
; Sequence 119, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 119  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 36  
US-10-354-240-119

Query Match 64.6%; Score 51; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.045;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GIDIFASKNF 10  
| | | | | | | | | | |  
Db 6 GIDIFASKNF 15  
RESULT 4  
US-10-047-264A-14  
; Sequence 14, Application US/10047264A  
; Publication No. US20030170839A1  
; GENERAL INFORMATION:  
; APPLICANT: Fouser, Lynette  
; APPLICANT: Liu, Wei  
; APPLICANT: Desg, Bijia  
; TITLE OF INVENTION: TYPE 2 CYTOKINE RECEPTOR AND NUCLEIC ACIDS ENCODING  
; FILE REFERENCE: 22058-532  
; CURRENT APPLICATION NUMBER: US/10/047,264A  
; CURRENT FILING DATE: 2002-01-14  
; PRIOR APPLICATION NUMBER: 60/261442  
; PRIOR FILING DATE: 2001-01-12  
; PRIOR APPLICATION NUMBER: 60/267021  
; PRIOR FILING DATE: 2001-02-06  
; PRIOR APPLICATION NUMBER: 60/270835  
; PRIOR FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 14  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: human  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (11)  
; OTHER INFORMATION: Wherein X is the amino acid H or Q  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (14)  
; OTHER INFORMATION: Wherein X is the amino acid A or P  
US-10-047-264A-14

Query Match 39.2%; Score 31; DB 14; Length 15;  
Best Local Similarity 71.4%; Pred. No. 1.3e+02;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 FASKNFH 11  
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Db 1 FQSRNFH 7

RESULT 5  
US-09-984-056-58  
; Sequence 58, Application US/09984056  
; Patent No. US20020120106A1  
; GENERAL INFORMATION:  
; APPLICANT: BOGOCH, ELENOR S.  
; TITLE OF INVENTION: ANTHRAX AND SMALL POX REPLICONS AND METHODS OF USE  
; FILE REFERENCE: 09425-46903  
; CURRENT APPLICATION NUMBER: US/09/984,056  
; CURRENT FILING DATE: 2001-10-26  
; PRIOR APPLICATION NUMBER: 60/303,396  
; PRIOR FILING DATE: 2001-07-09  
; PRIOR APPLICATION NUMBER: 60/278,761  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: 09/146,755  
; PRIOR FILING DATE: 1998-09-04  
; PRIOR APPLICATION NUMBER: 09/817,144  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: 08/198,139  
; PRIOR FILING DATE: 1994-02-17  
; NUMBER OF SEQ ID NOS: 103  
; SOFTWARE: PatentIn 2.1

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; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-09-984-056-58

Query Match      38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      8 KNFHLOK 14
Db      1 KNIHLEK 7

RESULT 6
US-09-984-056-59
; Sequence 59, Application US/09984056
; Patent No. US20020120106A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCCH, ELENORE S.
; TITLE OF INVENTION: ANTHRAX AND SMALL POX REPLICINS AND METHODS OF USE
; FILE REFERENCE: 09425-46903
; CURRENT APPLICATION NUMBER: US/09/984,056
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-056-59

Query Match      38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      8 KNFHLOK 14
Db      1 KNIHLEK 7

RESULT 7
US-09-984-057-58
; Sequence 58, Application US/09984057
; Patent No. US20020151677A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCCH, SAMUEL
; TITLE OF INVENTION: REPLICINS AND METHODS OF IDENTIFYING
; FILE REFERENCE: 09425-46902
; CURRENT APPLICATION NUMBER: US/09/984,057
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-057-59

Query Match      38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      8 KNFHLOK 14
Db      1 KNIHLEK 7

RESULT 8
US-09-984-057-59
; Sequence 59, Application US/09984057
; Patent No. US20020151677A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCCH, SAMUEL
; TITLE OF INVENTION: REPLICINS AND METHODS OF IDENTIFYING
; FILE REFERENCE: 09425-46902
; CURRENT APPLICATION NUMBER: US/09/984,057
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-057-59

Query Match      38.0%; Score 30; DB 9; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      8 KNFHLOK 14
Db      1 KNIHLEK 7

RESULT 9
US-105-232-58
; Sequence 58, Application US/10105232
; Publication No. US20030180328A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCCH, SAMUEL
; TITLE OF INVENTION: REPLICIN PEPTIDES IN RAPID REPLICATION OF GLIOMA CELLS
; FILE REFERENCE: 09425-46904
; CURRENT APPLICATION NUMBER: US/10/105,232
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761

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; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-10-105-232-58

Query Match      38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      8 KNFHLQK 14
DB      1 KNHLEK 7

RESULT 10
US-10-105-232-59
; Sequence 59, Application US/10105232
; Publication No. US20030180328A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLIKIN PEPTIDES IN RAPID REPLICATION OF GLIOMA CELLS
; FILE REFERENCE: 09425-46904
; CURRENT APPLICATION NUMBER: US/10/105,232
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/146,755
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: 09/817,144
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 08/198,139
; PRIOR FILING DATE: 1994-02-17
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-105-232-59

Query Match      38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      8 KNFHLQK 14
DB      1 KNHLEK 7

RESULT 11
US-10-189-437-58
; Sequence 58, Application US/10189437
; Publication No. US20030194414A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLIKIN PEPTIDES AND ANTIODIES THEREFORE
; FILE REFERENCE: 09425/46905
; CURRENT APPLICATION NUMBER: US/10/189,437
; CURRENT FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 729
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Feline sarcoma virus
US-10-189-437-58

Query Match      38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      8 KNFHLQK 14
DB      1 KNHLEK 7

RESULT 12
US-10-189-437-59
; Sequence 59, Application US/10189437
; Publication No. US20030194414A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; TITLE OF INVENTION: REPLIKIN PEPTIDES AND ANTIBODIES THEREFORE
; FILE REFERENCE: 09425/46905
; CURRENT APPLICATION NUMBER: US/10/189,437
; CURRENT FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 10/105,232
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 09/984,057
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 60/303,396
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/278,761
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 729
; SOFTWARE: PatentIn 2.1
; SEQ ID NO 59
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-189-437-59

Query Match      38.0%; Score 30; DB 14; Length 8;
Best Local Similarity 71.4%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      8 KNFHLQK 14
DB      1 KNHLEK 7

RESULT 13
US-10-428-335-141
; Sequence 141, Application US/10428335
; Publication No. US20040009186A1
; GENERAL INFORMATION:
; APPLICANT: BAE, Joo-eun
; APPLICANT: KLINGEMANN, Hans G.
; TITLE OF INVENTION: IMMUNOGENIC PEPTIDES
; FILE REFERENCE: 047940-0128
; CURRENT APPLICATION NUMBER: US/10/428,335
; CURRENT FILING DATE: 2003-05-02

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; PRIOR APPLICATION NUMBER: US 10/135,469  
; PRIOR FILING DATE: 2002-05-03  
; NUMBER OF SEQ ID NOS: 179  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 141  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-428-335-141

Query Match 36.7%; Score 29; DB 15; Length 9;  
Best Local Similarity 71.4%; Pred. No. 1e+06;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 5 PASKNPH 11  
Db 1 YASLNPH 7

## RESULT 14

US-09-935-384-676  
; Sequence 676, Application US/09935384  
; Publication No. US20030166526A1  
; GENERAL INFORMATION:  
; APPLICANT: CHALLITA-BID, PIA  
; APPLICANT: HUBERT, RENE  
; APPLICANT: RAITANO, ARTHUR  
; APPLICANT: AFAR, DANIEL  
; APPLICANT: LEVIN, ELANA  
; APPLICANT: FARIS, MARY  
; APPLICANT: GE, WANGMAO  
; APPLICANT: JAKOBOWITZ, AVA  
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4  
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND  
; TITLE OF INVENTION: OTHER CANCERS  
; FILE REFERENCE: 51158-20033.00  
; CURRENT APPLICATION NUMBER: US/09/935,384  
; CURRENT FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: 60/227,098  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 783  
; SOFTWARE: Patent in Ver. 2.1  
; SEQ ID NO 676  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-935-384-676

Query Match 36.7%; Score 29; DB 10; Length 10;  
Best Local Similarity 44.4%; Pred. No. 1.9e+02;  
Matches 4; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 7 SKNHLQKN 15  
Db 2 SKYHIQOS 10

## RESULT 15

US-10-219-834-132  
; Sequence 132, Application US/10219834  
; Publication No. US20030096751A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTOR POLYNUCLEOTIDES AND METHODS OF USE THE  
; FILE REFERENCE: D0191 NP  
; CURRENT APPLICATION NUMBER: US/10/219,834  
; CURRENT FILING DATE: 2002-08-15  
; PRIOR APPLICATION NUMBER: US 60/313,658  
; PRIOR FILING DATE: 2001-08-20  
; PRIOR APPLICATION NUMBER: US 60/340,703  
; PRIOR FILING DATE: 2001-10-30  
; PRIOR APPLICATION NUMBER: US 60/318,675  
; PRIOR FILING DATE: 2001-09-12

; PRIOR APPLICATION NUMBER: US 60/355,596  
; PRIOR FILING DATE: 2002-02-06  
; PRIOR APPLICATION NUMBER: US 60/333,417  
; PRIOR FILING DATE: 2001-11-26  
; PRIOR APPLICATION NUMBER: US 60/338,367  
; PRIOR FILING DATE: 2001-12-06  
; NUMBER OF SEQ ID NOS: 192  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 132  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-219-834-132

Query Match 36.7%; Score 29; DB 14; Length 13;  
Best Local Similarity 66.7%; Pred. No. 2.6e+02;  
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GIDIFASKN 9  
Db 1 GIDIFASKN 9

Search completed: April 29, 2004, 10:34:10  
Job time : 30.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-15

Perfect score: 87  
Sequence: 1 PASWKNRIWLQFAK 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
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6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	37	42.5	15	1	US-08-460-874A-26
2	37	42.5	15	2	US-08-388-883B-26
3	37	42.5	15	3	US-08-462-211A-26
4	35	40.2	12	1	US-08-190-788A-21
5	35	40.2	12	1	US-08-383-474B-26
6	35	40.2	12	1	US-08-465-391A-21
7	35	40.2	12	2	US-08-464-538B-21
8	35	40.2	12	2	US-08-463-076B-65
9	35	40.2	12	4	US-09-428-082B-651
10	32	36.8	15	1	US-08-111-939-11
11	31	35.6	10	4	US-08-135-319A-8
12	30	34.5	12	1	US-08-190-788A-28
13	30	34.5	12	1	US-08-383-474B-33
14	30	34.5	12	1	US-08-465-391A-28
15	30	34.5	12	2	US-08-464-538B-28
16	30	34.5	12	2	US-08-463-076B-72
17	30	34.5	12	4	US-09-428-082B-658
18	30	34.5	14	1	US-08-627-497-5
19	30	34.5	15	5	PCT-US93-11703-36
20	30	34.5	15	5	PCT-US93-11703-37
21	30	34.5	15	5	PCT-US93-11703-38
22	30	34.5	15	5	PCT-US93-11703-39
23	30	34.5	15	5	PCT-US93-11703-40
24	29.5	33.9	15	1	US-08-218-025A-24
25	29	33.3	6	4	US-08-135-319A-16
26	29	33.3	7	4	US-08-135-319A-13
27	29	33.3	8	4	US-08-135-319A-26

Sequence 25, Appl  
Sequence 36, Appl  
Sequence 39, Appl  
Sequence 6, Appl  
Sequence 41, Appl  
Sequence 44, Appl  
Sequence 36, Appl  
Sequence 39, Appl  
Sequence 36, Appl  
Sequence 39, Appl  
Sequence 80, Appl  
Sequence 83, Appl  
Sequence 1, Appl  
Sequence 18, Appl  
Sequence 22, Appl  
Sequence 23, Appl  
Sequence 35, Appl  
Sequence 667, App  
US-08-135-319A-25  
US-08-190-788A-36  
US-08-190-788A-39  
US-08-077-797A-6  
US-08-383-474B-41  
US-08-383-474B-44  
US-08-465-391A-36  
US-08-465-391A-39  
US-08-464-538B-36  
US-08-464-538B-39  
US-08-463-076B-80  
US-08-463-076B-83  
US-08-135-319A-1  
US-08-135-319A-18  
US-08-135-319A-22  
US-08-135-319A-23  
US-09-546-013-35  
US-09-428-082B-667

ALIGNMENTS

RESULT 1  
US-08-460-874A-26  
; Sequence 26, Application US/08460874A  
; Patent No. 5744298  
; GENERAL INFORMATION:  
; APPLICANT: Stuber, Werner  
; APPLICANT: Wiczorek, Leszek  
; APPLICANT: Ziegelmaier, Robert  
; TITLE OF INVENTION: HCMV-Specific Peptides, Agents Thereof  
; TITLE OF INVENTION: and the Use Thereof  
; NUMBER OF INVENTIONS: 49  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
; ADDRESSEE: Dunner  
; STREET: 1300 I Street, N.W., Suite 700  
; CITY: Washington,  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-3315  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/460,874A  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/936,219  
; FILING DATE: 27-AUG-1992  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: DE P4128684.7  
; FILING DATE: 29-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Forman, David S  
; REGISTRATION NUMBER: 33,694  
; REFERENCE/DOCKET NUMBER: 05552-1210-04000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-408-4000  
; TELEFAX: 202-408-4400  
; INFORMATION FOR SEQ ID NO: 26:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-460-874A-26

Query Match 42.5%; Score 37; DB 1; Length 15;  
Best Local Similarity 50.0%; Pred. No. 10;  
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 PASWKNRIW 10  
|||  
Db 4 PANWPRERAW 13

## RESULT 2

US-08-388-883B-26  
; Sequence 26, Application US/08388883B  
; Patent No. 5859185  
; GENERAL INFORMATION:  
; APPLICANT: STUBER, Werner  
; APPLICANT: WIECZOREK, Leszek  
; APPLICANT: ZIEGELMAIER, Robert  
; TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor  
; TITLE OF INVENTION: and the Use Thereof  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Finnegan, Henderson, Parabow, Garrett &  
; ADDRESS: Dunner L.L.P.  
; STREET: 1300 I Street, N.W., Suite 700  
; CITY: Washington,  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-3315  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/388.883B  
; FILING DATE: 13-FEB-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/300.305  
; FILING DATE: 23-FEB-1994  
; APPLICATION NUMBER: US 07/936.219  
; FILING DATE: 27-AUG-1992  
; NAME: Forman, David S.  
; REGISTRATION NUMBER: 33,694  
; REFERENCE/DOCKET NUMBER: 5552-1210-02000  
; TELEPHONE: 202-408-4000  
; TELEFAX: 202-408-4400  
; INFORMATION FOR SEQ ID NO: 26:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-388-883B-26

Query Match 42.5%; Score 37; DB 2; Length 15;  
Best Local Similarity 50.0%; Pred. No. 10;  
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 PASWKNRIW 10  
|||  
Db 4 PANWPRERAW 13

## RESULT 3

US-08-462-211A-26  
; Sequence 26, Application US/08462211A

Patent No. 6143493  
; GENERAL INFORMATION:  
; APPLICANT: Stuber, Werner  
; APPLICANT: WIECZOREK, Leszek  
; APPLICANT: Zieglmaier, Robert  
; TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor  
; TITLE OF INVENTION: and the Use Thereof  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Finnegan, Henderson, Parabow, Garrett &  
; ADDRESS: Dunner L.L.P.  
; STREET: 1300 I Street, N.W., Suite 700  
; CITY: Washington,  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-3315  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/462.211A  
; FILING DATE: 05-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/388.883  
; FILING DATE: 13-FEB-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/300.305  
; FILING DATE: 23-FEB-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/936.219  
; FILING DATE: 27-AUG-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: DE P4128684.7  
; FILING DATE: 29-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Forman, David S.  
; REGISTRATION NUMBER: 33,694  
; REFERENCE/DOCKET NUMBER: 5552.1210-03000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-408-4000  
; TELEFAX: 202-408-4400  
; INFORMATION FOR SEQ ID NO: 26:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-462-211A-26

Query Match 42.5%; Score 37; DB 3; Length 15;  
Best Local Similarity 50.0%; Pred. No. 10;  
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 PASWKNRIW 10  
|||  
Db 4 PANWPRERAW 13

## RESULT 4

US-08-190-788A-21  
; Sequence 21, Application US/08190788A  
; Patent No. 5608035  
; GENERAL INFORMATION:  
; APPLICANT: Yanofsky, Stephen D.  
; APPLICANT: Barlett, Ronald W.  
; APPLICANT: Baldwin, David N.  
; APPLICANT: Jacobs, Jeff W.  
; TITLE OF INVENTION: Peptides and Compounds That Bind to the  
; TITLE OF INVENTION: IL-1 Receptor  
; NUMBER OF SEQUENCES: 312  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Afymax Technologies N.V.  
STREET: 4001 Miranda Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/190,788A  
FILING DATE: 02-FEB-1994  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/847,567  
FILING DATE: 05-MAR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Stevens, Lauren L.  
REGISTRATION NUMBER: 36,691  
REFERENCE/DOCKET NUMBER: 1019.1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-496-2300  
TELEFAX: 415-424-0832  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-190-788A-21

Query Match 40.2%; Score 35; DB 1; Length 12;  
Best Local Similarity 55.6%; Pred. No. 16;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 WKNRWLQ 12  
| | | |  
Db 2 WGNQGWLE 10

RESULT 5  
US-08-383-474B-26  
Sequence 26, Application US/08383474B  
Patent No. 5767234  
GENERAL INFORMATION:  
APPLICANT: Yanofsky, Stephen D.  
APPLICANT: Barrett, Ronald W.  
APPLICANT: Baldwin, David N.  
APPLICANT: Jacobs, Jeff W.  
TITLE OF INVENTION: Peptides and Compounds That Bind to  
TITLE OF INVENTION: the IL-1 Receptor  
NUMBER OF SEQUENCES: 314  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend & Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/383,474B  
FILING DATE: 01-FEB-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/190,788

FILING DATE: 02-FEB-1994  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Stevens, Lauren L.  
REGISTRATION NUMBER: 36,691  
REFERENCE/DOCKET NUMBER: 1019.3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-496-2300  
TELEFAX: 415-424-0832  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-383-474B-26

Query Match 40.2%; Score 35; DB 1; Length 12;  
Best Local Similarity 55.6%; Pred. No. 16;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 WKNRWLQ 12  
| | | |  
Db 2 WGNQGWLE 10

RESULT 6  
US-08-465-391A-21  
Sequence 21, Application US/08465391A  
Patent No. 5786331  
GENERAL INFORMATION:  
APPLICANT: Barrett, Ronald W.  
APPLICANT: Yanofsky, Stephen D.  
APPLICANT: Baldwin, David  
APPLICANT: Jacobs, Jeff W.  
APPLICANT: Bovy, Philippe R.  
APPLICANT: Leahy, Ellen M.  
APPLICANT: Pottorff, Richard S.  
TITLE OF INVENTION: Peptides and Compounds That Bind to the  
TITLE OF INVENTION: IL-1 Receptor  
NUMBER OF SEQUENCES: 405  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew  
STREET: One Market Plaza, Steuart Tower, Suite 2000  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94105  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/465,391A  
FILING DATE: 05-JUN-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/373,474  
FILING DATE: 01-FEB-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/190,788  
FILING DATE: 02-FEB-1994  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5786331v1el, Vern  
REGISTRATION NUMBER: 32,483  
REFERENCE/DOCKET NUMBER: 16528A-001840/1019.2A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-326-2400  
TELEFAX: 415-326-2422



INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-465-391A-21

Query Match 40.2%; Score 35; DB 1; Length 12;  
Best Local Similarity 55.6%; Pred. No. 16;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNNRIWLQ 12  
DB 2 WNGDGIWLE 10

## RESULT 7

US-08-464-538B-21  
Sequence 21, Application US/08464538B  
Patent No. 5861476

## GENERAL INFORMATION:

APPLICANT: Barrett, Ronald W.  
APPLICANT: Yanofsky, Stephen D.  
APPLICANT: Baldwin, David  
APPLICANT: Jacobs, Jeff W.  
APPLICANT: Bovy, Philippe R.  
APPLICANT: Leaby, Ellen M.  
APPLICANT: Pottofr, Richard S.  
TITLE OF INVENTION: Peptides and Compounds That Bind to the  
TITLE OF INVENTION: IL-1 Receptor  
NUMBER OF SEQUENCES: 402  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/464,538B  
FILING DATE: 05-JUN-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/373,474  
FILING DATE: 01-FEB-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/190,788  
FILING DATE: 02-FEB-1994  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M.  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 16528A-001810  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-326-2400  
TELEFAX: 415-326-2422

INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-464-538B-21

Query Match 40.2%; Score 35; DB 2; Length 12;  
Best Local Similarity 55.6%; Pred. No. 16;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNNRIWLQ 12  
DB 2 WNGDGIWLE 10

## RESULT 8

US-08-463-076E-65  
Sequence 65, Application US/08463076E  
Patent No. 5880096

## GENERAL INFORMATION:

APPLICANT: Barrett, Ronald W.  
APPLICANT: Yanofsky, Stephen D.  
TITLE OF INVENTION: Peptides and Compounds That Bind to the  
TITLE OF INVENTION: IL-1 Receptor  
NUMBER OF SEQUENCES: 392  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/463,076E  
FILING DATE: 05-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Snyder, Joseph R.  
REGISTRATION NUMBER: 39,381  
REFERENCE/DOCKET NUMBER: 16528A-001850US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 65:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-463-076E-65

Query Match 40.2%; Score 35; DB 2; Length 12;  
Best Local Similarity 55.6%; Pred. No. 16;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNNRIWLQ 12  
DB 2 WNGDGIWLE 10

## RESULT 9

US-09-428-082B-651  
Sequence 651, Application US/09428082B  
Patent No. 6660843

## GENERAL INFORMATION:

APPLICANT: FEIGE, ULRICH  
APPLICANT: LIU, CHUAN-FA  
APPLICANT: CHEETHAM, JANET C.  
APPLICANT: BOONE, THOMAS CHARLES  
TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
FILE REFERENCE: A-527  
CURRENT APPLICATION NUMBER: US/09/428,082B  
CURRENT FILING DATE: 1999-10-22

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; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 651
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE
US-09-428-082B-651

Query Match          40.2%; Score 35; DB 4; Length 12;
Best Local Similarity 55.6%; Pred. No. 16;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      4 WKNNRIWQ 12
DB      2 WGNDSIWL 10

RESULT 10
US-08-111-939-11
; Sequence 11, Application US/08111939
; Patent No. 5460951
; GENERAL INFORMATION:
; APPLICANT: Kawai, Shinji
; APPLICANT: Takeshita, Sunao
; APPLICANT: Okazaki, Makoto
; APPLICANT: Amann, Egon
; TITLE OF INVENTION: Bone-Related Carboxypeptidase-Like
; TITLE OF INVENTION: Protein and Process for its Production
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/111,939
; FILING DATE: 26-AUG-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: JP 324033/92
; FILING DATE: 03-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 230029/92
; FILING DATE: 28-AUG-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Forman, David S.
; REGISTRATION NUMBER: 33,694
; REFERENCE/DOCKET NUMBER: 02481.1321-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4000
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: OSF 5.1 (antigen peptide)
; DESCRIPTION: segment of mouse OSF-5 from the 872nd to
; DESCRIPTION: the 886th amino acid residue
; ORIGINAL SOURCE:

; ORGANISM: Mus musculus
US-08-111-939-11

Query Match          36.8%; Score 32; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 62;
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      1 PASWKNR 8
DB      7 PREWENK 14

RESULT 11
US-08-135-319A-8
; Sequence 8, Application US/08135319A
; Patent No. 6528487
; GENERAL INFORMATION:
; APPLICANT: Heavner, George A.
; APPLICANT: McEver, Rodger P.
; APPLICANT: Geng, Jian-Guo
; TITLE OF INVENTION: Peptide Inhibitors of Inflammation Mediated by Selectins
; FILE REFERENCE: CTC 102 CON
; CURRENT APPLICATION NUMBER: US/08/135,319A
; CURRENT FILING DATE: 1993-10-12
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 8
; LENGTH: 10
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic inhibitory peptide
US-08-135-319A-8

Query Match          35.6%; Score 31; DB 4; Length 10;
Best Local Similarity 57.1%; Pred. No. 57;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNNRIW 10
DB      1 YKNNKTW 7

RESULT 12
US-08-190-788A-28
; Sequence 28, Application US/08190788A
; Patent No. 5608035
; GENERAL INFORMATION:
; APPLICANT: Yanofsky, Stephen D.
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Baldwin, David N.
; APPLICANT: Jacobs, Jeff W.
; TITLE OF INVENTION: Peptides and Compounds That Bind to the
; NUMBER OF SEQUENCES: 312
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Afymax Technologies N.V.
; STREET: 4001 Miranda Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/190,788A
; FILING DATE: 02-FEB-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/847,567
```

/ FILING DATE: 05-MAR-1992  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Stevens, Lauren L.  
/ REGISTRATION NUMBER: 36,691  
/ REFERENCE/DOCKET NUMBER: 1019.1  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: 415-496-2300  
/ TELEFAX: 415-424-0832  
/ INFORMATION FOR SEQ ID NO: 28:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 12 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS: single  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: peptide  
/ US-08-190-786A-28

Query Match 34.5%; Score 30; DB 1; Length 12;  
Best Local Similarity 50.0%; Pred. No. 1e+02;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 WKNRIWL 11  
| | | |  
Db 3 WDNTGIWV 10

RESULT 13  
US-08-383-474B-33  
; Sequence 33, Application US/08383474B  
; Patent No. 5767234  
; GENERAL INFORMATION:  
; APPLICANT: Yanofsky, Stephen D.  
; APPLICANT: Barrett, Ronald W.  
; APPLICANT: Baldwin, David N.  
; APPLICANT: Jacobs, Jeff W.  
; TITLE OF INVENTION: Peptides and Compounds That Bind to  
; TITLE OF INVENTION: the IL-1 Receptor  
; NUMBER OF SEQUENCES: 314  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend & Townsend & Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/383,474B  
; FILING DATE: 01-FEB-1995  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/190,788  
; FILING DATE: 02-FEB-1994  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Stevens, Lauren L.  
; REGISTRATION NUMBER: 36,691  
; REFERENCE/DOCKET NUMBER: 1019.3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-496-2300  
; TELEFAX: 415-424-0832  
; INFORMATION FOR SEQ ID NO: 33:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
/ US-08-383-474B-33

Query Match 34.5%; Score 30; DB 1; Length 12;  
Best Local Similarity 50.0%; Pred. No. 1e+02;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 WKNRIWL 11  
| | | |  
Db 3 WDNTGIWV 10

RESULT 14  
US-08-465-391A-28  
; Sequence 28, Application US/08465391A  
; Patent No. 5786331  
; GENERAL INFORMATION:  
; APPLICANT: Barrett, Ronald W.  
; APPLICANT: Yanofsky, Stephen D.  
; APPLICANT: Baldwin, David  
; APPLICANT: Jacobs, Jeff W.  
; APPLICANT: Bovy, Philippe R.  
; APPLICANT: Leahy, Ellen M.  
; APPLICANT: Pottorf, Richard S.  
; TITLE OF INVENTION: Peptides and Compounds That Bind to the  
; TITLE OF INVENTION: IL-1 Receptor  
; NUMBER OF SEQUENCES: 405  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew  
; STREET: One Market Plaza, Steuart Tower, Suite 2000  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94105  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/465,391A  
; FILING DATE: 05-JUN-1995  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/373,474  
; FILING DATE: 01-FEB-1995  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/190,788  
; FILING DATE: 02-FEB-1994  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 5786331v1el, Vern  
; REGISTRATION NUMBER: 32,483  
; REFERENCE/DOCKET NUMBER: 16528A-001840/1019.2A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-326-2400  
; TELEFAX: 415-326-2422  
; INFORMATION FOR SEQ ID NO: 28:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
/ US-08-465-391A-28

Query Match 34.5%; Score 30; DB 1; Length 12;  
Best Local Similarity 50.0%; Pred. No. 1e+02;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 WKNRIWL 11  
| | | |  
Db 3 WDNTGIWV 10

RESULT 15  
US-08-464-538B-28  
; Sequence 28, Application US/08464538B  
; Patent No. 5861476  
; GENERAL INFORMATION:  
; APPLICANT: Barrett, Ronald W.  
; APPLICANT: Yanofsky, Stephen D.  
; APPLICANT: Baldwin, David  
; APPLICANT: Jacobs, Jeff W.  
; APPLICANT: Bovy, Philippe R.  
; APPLICANT: Leahy, Ellen M.  
; APPLICANT: Pottorf, Richard S.  
; TITLE OF INVENTION: Peptides and Compounds That Bind to the  
; TITLE OF INVENTION: IL-1 Receptor  
; NUMBER OF SEQUENCES: 402  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/464,538B  
; FILING DATE: 05-JUN-1995  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/373,474  
; FILING DATE: 01-FEB-1995  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/190,788  
; FILING DATE: 02-FEB-1994  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, William M.  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 16528A-001810  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-326-2400  
; TELEFAX: 415-326-2422  
; INFORMATION FOR SEQ ID NO: 28:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-464-538B-28

Query Match 34.5%; Score 30; DB 2; Length 12;  
Best Local Similarity 50.0%; Pred. No. 1e+02;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
QY 4 WKNNRIWL 11  
Db 3 WDNTGIWV 10

Search completed: April 29, 2004, 09:27:32  
Job time : 11.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-16

Perfect score: 85

Sequence: 1 PEFHLVFGNCEGVKI 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	85	100.0	15	14	US-10-354-240-114
2	61	71.8	15	14	US-10-354-240-113
3	55	64.7	15	14	US-10-354-240-115
4	31	36.5	9	10	US-09-935-384-413
5	31	36.5	9	10	US-09-935-384-523
6	31	36.5	9	10	US-09-935-384-549
7	31	36.5	10	10	US-09-935-384-182
8	31	36.5	10	10	US-09-935-384-269
9	31	36.5	10	10	US-09-935-384-271
10	31	36.5	10	10	US-09-935-384-375
11	31	36.5	10	10	US-09-935-384-487
12	31	36.5	10	10	US-09-935-384-492
13	31	36.5	10	10	US-09-935-384-555
14	31	36.5	10	10	US-09-935-384-679
15	31	36.5	10	10	US-09-935-384-690

16	31	36.5	10	15	US-10-137-867-70	Sequence 70, Appl
17	30	35.3	15	14	US-10-354-240-112	Sequence 112, App
18	29	34.1	14	9	US-09-950-313-39	Sequence 39, Appl
19	28	32.9	12	9	US-09-784-887B-5	Sequence 5, Appl
20	27	31.8	9	12	US-10-460-512-8	Sequence 8, Appl
21	27	31.8	9	12	US-10-460-512-10	Sequence 10, Appl
22	27	31.8	9	12	US-10-460-512-30	Sequence 30, Appl
23	27	31.8	9	12	US-10-460-512-32	Sequence 32, Appl
24	27	31.8	9	15	US-10-360-101-89	Sequence 89, Appl
25	27	31.8	10	14	US-10-022-066-460	Sequence 460, App
26	27	31.8	14	10	US-09-994-595-65	Sequence 65, Appl
27	27	31.8	14	10	US-09-994-595-81	Sequence 81, Appl
28	27	31.8	14	12	US-10-375-157-25	Sequence 25, Appl
29	27	31.8	14	14	US-10-010-568-25	Sequence 25, Appl
30	26.5	31.2	15	12	US-10-346-162-39	Sequence 39, Appl
31	26	30.6	8	13	US-10-032-219-10	Sequence 10, Appl
32	26	30.6	9	9	US-09-739-068-5	Sequence 5, Appl
33	26	30.6	9	14	US-10-147-910-23	Sequence 23, Appl
34	26	30.6	10	9	US-09-765-086-34	Sequence 34, Appl
35	26	30.6	10	9	US-09-739-068-7	Sequence 7, Appl
36	26	30.6	10	9	US-09-739-068-18	Sequence 18, Appl
37	26	30.6	10	9	US-09-739-068-22	Sequence 22, Appl
38	26	30.6	10	10	US-09-572-404B-1644	Sequence 1644, Ap
39	26	30.6	10	10	US-09-572-404B-1646	Sequence 1646, Ap
40	26	30.6	10	10	US-09-572-270A-867	Sequence 867, App
41	26	30.6	10	10	US-09-572-270A-869	Sequence 869, App
42	26	30.6	10	14	US-10-264-374-34	Sequence 34, Appl
43	26	30.6	10	14	US-10-375-992-34	Sequence 34, Appl
44	26	30.6	10	15	US-10-360-101-135	Sequence 135, App
45	26	30.6	12	9	US-09-881-276-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-114  
; Sequence 114, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Kume, Toshio  
; APPLICANT: Sone, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dise  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 114  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 31  
US-10-354-240-114

Query Match 100.0%; Score 85; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 1.2e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEFHLVFGNCEGVKI 15

Db 1 PEFHLVFGNCEGVKI 15

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RESULT 2
US-10-354-240-113
; Sequence 113, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 113
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 30
US-10-354-240-113

Query Match 71.8%; Score 61; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEFHLVFGNC 10
DB 6 PEFHLVFGNC 15

RESULT 3
US-10-354-240-115
; Sequence 115, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 115
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 32
US-10-354-240-115

Query Match 64.7%; Score 55; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 6 VFGNCEGVKI 15
DB 1 VFGNCEGVKI 10

RESULT 4
US-09-935-384-413
; Sequence 413, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: APAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 413
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-413

Query Match 36.5%; Score 31; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 VFGNC 10
DB 1 VFGNC 5

RESULT 5
US-09-935-384-523
; Sequence 523, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: APAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 523
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-523

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Query Match      36.5%; Score 31; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
      |||||
Db      4 VFGNC 8

RESULT 6
US-09-935-384-549
; Sequence 549, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 549
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-549

Query Match      36.5%; Score 31; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
      |||||
Db      5 VFGNC 9

RESULT 7
US-09-935-384-182
; Sequence 182, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 182
; LENGTH: 10
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-935-384-182

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
      |||||
Db      5 VFGNC 9

RESULT 8
US-09-935-384-269
; Sequence 269, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 269
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-269

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
      |||||
Db      2 VFGNC 6

RESULT 9
US-09-935-384-271
; Sequence 271, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 271
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-271

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
Db      5 VFGNC 9

RESULT 10
US-09-935-384-375
; Sequence 375, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 375
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-375

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
Db      5 VFGNC 9

RESULT 11
US-09-935-384-487
; Sequence 487, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
Db      2 VFGNC 6

RESULT 12
US-09-935-384-492
; Sequence 492, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
; CURRENT APPLICATION NUMBER: US/09/935,384
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227,098
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 783
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 492
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-384-492

Query Match      36.5%; Score 31; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 VFGNC 10
Db      2 VFGNC 6

RESULT 13
US-09-935-384-555
; Sequence 555, Application US/09935384
; Publication No. US20030166526A1
; GENERAL INFORMATION:
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: HUBERT, RENE
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: AFAR, DANIEL
; APPLICANT: LEVIN, ELANA
; APPLICANT: FARIS, MARY
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOVITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
; TITLE OF INVENTION: OTHER CANCERS
; FILE REFERENCE: 51158-20033.00
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; CURRENT APPLICATION NUMBER: US/09/935,384  
; CURRENT FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: 60/227,098  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 783  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 555  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-935-384-555  
  
Query Match 36.5%; Score 31; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 6 VFGNC 10  
Db 5 VFGNC 9  
  
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US-09-935-384-679  
; Sequence 679, Application US/09935384  
; Publication No. US20030166526A1  
; GENERAL INFORMATION:  
; APPLICANT: CHALLITA-EID, PIA  
; APPLICANT: HUBERT, RENE  
; APPLICANT: RAITANO, ARTHUR  
; APPLICANT: AFAR, DANIEL  
; APPLICANT: LEVIN, ELANA  
; APPLICANT: FARIS, MARY  
; APPLICANT: GE, WANGMAO  
; APPLICANT: JAKOBOVITZ, AYA  
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4  
; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND  
; TITLE OF INVENTION: OTHER CANCERS  
; FILE REFERENCE: 51158-20033.00  
; CURRENT APPLICATION NUMBER: US/09/935,384  
; CURRENT FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: 60/227,098  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 783  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 679  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-935-384-679  
  
Query Match 36.5%; Score 31; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 6 VFGNC 10  
Db 2 VFGNC 6  
  
Search completed: April 29, 2004, 10:34:10  
Job time : 30.85 secs

; TITLE OF INVENTION: USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND  
; TITLE OF INVENTION: OTHER CANCERS  
; FILE REFERENCE: 51158-20033.00  
; CURRENT APPLICATION NUMBER: US/09/935,384  
; CURRENT FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: 60/227,098  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 783  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 690  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-935-384-690  
  
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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Db 2 VFGNC 6  
  
Search completed: April 29, 2004, 10:34:10  
Job time : 30.85 secs

; CURRENT APPLICATION NUMBER: US/09/935,384  
; CURRENT FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: 60/227,098  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 783  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 555  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-935-384-555  
  
Query Match 36.5%; Score 31; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 6 VFGNC 10  
Db 5 VFGNC 9  
  
RESULT 15  
US-09-935-384-690  
; Sequence 690, Application US/09935384  
; Publication No. US20030166526A1  
; GENERAL INFORMATION:  
; APPLICANT: CHALLITA-EID, PIA  
; APPLICANT: HUBERT, RENE  
; APPLICANT: RAITANO, ARTHUR  
; APPLICANT: AFAR, DANIEL  
; APPLICANT: LEVIN, ELANA  
; APPLICANT: FARIS, MARY  
; APPLICANT: GE, WANGMAO  
; APPLICANT: JAKOBOVITZ, AYA  
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158PIH4

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds

(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-15

Perfect score: 87

Sequence: 1 PASWKNRIWLQFAK 15

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Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

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- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
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- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
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- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep.\*
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- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	87	100.0	15	14	US-10-354-240-99
2	63	72.4	15	14	US-10-354-240-98
3	56	64.4	15	14	US-10-354-240-100
4	35	40.2	12	12	US-10-609-217-651
5	35	40.2	12	12	US-10-632-388-651
6	35	40.2	12	12	US-10-651-723-651
7	35	40.2	12	12	US-10-645-761-651
8	35	40.2	12	12	US-10-666-696-651
9	32	36.8	13	10	US-09-953-354-107
10	31	35.6	10	14	US-10-319-340-8
11	31	35.6	15	14	US-10-354-240-97
12	31	35.6	15	14	US-10-354-240-160
13	30	34.5	6	9	US-09-911-838-140
14	30	34.5	7	9	US-09-911-838-139
15	30	34.5	7	9	US-09-911-838-141

16	30	34.5	12	12	US-10-609-217-658	Sequence 658, App
17	30	34.5	12	12	US-10-632-388-658	Sequence 658, App
18	30	34.5	12	12	US-10-651-723-658	Sequence 658, App
19	30	34.5	12	12	US-10-645-761-658	Sequence 658, App
20	30	34.5	12	14	US-10-254-446A-170	Sequence 170, App
21	30	34.5	12	14	US-10-254-446A-245	Sequence 245, App
22	30	34.5	12	16	US-10-666-696-658	Sequence 658, App
23	30	34.5	14	10	US-09-932-613-432	Sequence 432, App
24	30	34.5	14	10	US-09-932-613-432	Sequence 432, App
25	30	34.5	15	12	US-10-682-420-124	Sequence 124, App
26	30	34.5	15	12	US-10-682-420-125	Sequence 125, App
27	30	34.5	15	16	US-10-409-613-124	Sequence 124, App
28	30	34.5	15	16	US-10-409-613-125	Sequence 125, App
29	29	33.3	6	14	US-10-319-340-16	Sequence 16, Appl
30	29	33.3	7	14	US-10-319-340-13	Sequence 13, Appl
31	29	33.3	8	14	US-10-319-340-26	Sequence 26, Appl
32	29	33.3	9	14	US-10-319-340-25	Sequence 25, Appl
33	29	33.3	10	12	US-10-609-217-667	Sequence 667, App
34	29	33.3	10	12	US-10-609-217-670	Sequence 670, App
35	29	33.3	10	12	US-10-632-388-667	Sequence 667, App
36	29	33.3	10	12	US-10-632-388-670	Sequence 670, App
37	29	33.3	10	12	US-10-651-723-667	Sequence 667, App
38	29	33.3	10	12	US-10-651-723-670	Sequence 670, App
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40	29	33.3	10	12	US-10-645-761-670	Sequence 670, App
41	29	33.3	10	14	US-10-319-340-1	Sequence 1, Appl
42	29	33.3	10	14	US-10-319-340-18	Sequence 18, Appl
43	29	33.3	10	14	US-10-319-340-22	Sequence 22, Appl
44	29	33.3	10	14	US-10-319-340-23	Sequence 23, Appl
45	29	33.3	10	15	US-10-373-238-31	Sequence 31, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-99  
; Sequence 99, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 99  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 16  
US-10-354-240-99

Query Match 100.0%; Score 87; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.3e+06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PASWKNRIWLQFAK 15

Db 1 PASWKNRIWLQFAK 15

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RESULT 2
US-10-354-240-98
; Sequence 98, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 98
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 15
US-10-354-240-98

Query Match 72.4%; Score 63; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PASWKNRRIW 10
DB 6 PASWKNRRIW 15

RESULT 3
US-10-354-240-100
; Sequence 100, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 100
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 17
US-10-354-240-100

Query Match 64.4%; Score 56; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 6 NNRIWLQPAK 15
DB 1 NNRIWLQPAK 10

RESULT 4
US-10-609-217-651
; Sequence 651, Application US/10609217
; Publication No. US20040044188A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/609,217
; CURRENT FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 651
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE
US-10-609-217-651

Query Match 40.2%; Score 35; DB 12; Length 12;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 WKNNRIWLQ 12
DB 2 WKNDGIWLE 10

RESULT 5
US-10-632-388-651
; Sequence 651, Application US/10632388
; Publication No. US20040053845A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/632,388
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 651
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE
US-10-632-388-651

Query Match 40.2%; Score 35; DB 12; Length 12;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

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Qy 4 WKNNRIWLQ 12  
| | | | |  
Db 2 WNGDGIWLE 10

RESULT 6  
US-10-651-723-651  
; Sequence 651, Application US/10651723  
; Publication No. US20040057953A1  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/10/651,723  
; CURRENT FILING DATE: 2003-08-29  
; PRIOR APPLICATION NUMBER: US/09/428,082B  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 651  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE  
US-10-651-723-651

Query Match 40.2%; Score 35; DB 12; Length 12;  
Best Local Similarity 55.6%; Pred. No. 1.2e+02;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 WKNNRIWLQ 12  
| | | | |  
Db 2 WNGDGIWLE 10

RESULT 7  
US-10-645-761-651  
; Sequence 651, Application US/10645761  
; Publication No. US20040071712A1  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/10/645,761  
; CURRENT FILING DATE: 2003-08-18  
; PRIOR APPLICATION NUMBER: US/09/428,082B  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 651  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE  
US-10-645-761-651

Query Match 40.2%; Score 35; DB 12; Length 12;  
Best Local Similarity 55.6%; Pred. No. 1.2e+02;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 WKNNRIWLQ 12

Db 2 WNGDGIWLE 10  
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RESULT 8  
US-10-666-696-651  
; Sequence 651, Application US/10666696  
; Publication No. US20040077022A1  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; APPLICANT: GUDAS, JEAN MARIE  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527A  
; CURRENT APPLICATION NUMBER: US/10/666,696  
; CURRENT FILING DATE: 2003-09-19  
; PRIOR APPLICATION NUMBER: US/09/563,286C  
; PRIOR FILING DATE: 2000-05-03  
; PRIOR APPLICATION NUMBER: 09/428,082  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1157  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 651  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: VIP-MIMETIC PEPTIDE  
US-10-666-696-651

Query Match 40.2%; Score 35; DB 16; Length 12;  
Best Local Similarity 55.6%; Pred. No. 1.2e+02;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 WKNNRIWLQ 12  
| | | | |  
Db 2 WNGDGIWLE 10

RESULT 9  
US-09-953-354-107  
; Sequence 107, Application US/09953354  
; Publication No. US20030054402A1  
; GENERAL INFORMATION:  
; APPLICANT: Klein, Christine A.  
; APPLICANT: Murphy, Andrew J. M.  
; TITLE OF INVENTION: Identifying Receptor Effectors  
; NUMBER OF SEQUENCES: 132  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 28 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Ascii(text)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/953,354  
; FILING DATE: 13-Sep-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/689,172  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:

NAME: KARA, Catherine J.  
REGISTRATION NUMBER: P41,106  
REFERENCE/DOCKET NUMBER: CPI-012CP7  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)227-7400  
TELEFAX: (617)742-4214  
INFORMATION FOR SEQ ID NO: 107:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: prorein  
SEQUENCE DESCRIPTION: SEQ ID NO: 107:  
US-09-953-354-107

Query Match 36.8%; Score 32; DB 10; Length 13;  
Best Local Similarity 55.6%; Pred. No. 3.7e+02;  
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 3 SWKNRIWL 11  
Db 4 SWKRLRLWL 12

RESULT 10  
US-10-319-340-8  
Sequence 8, Application US/10319340  
Publication No. US2003014211A1  
GENERAL INFORMATION:  
APPLICANT: Heavner, George A.  
APPLICANT: McEever, Rodger P.  
APPLICANT: Geng, Jian-Guo  
TITLE OF INVENTION: Peptide Inhibitors of Inflammation Mediated by Selectins  
FILE REFERENCE: CTC 102 CON DIV  
CURRENT APPLICATION NUMBER: US/10/319,340  
CURRENT FILING DATE: 2002-12-13  
PRIOR APPLICATION NUMBER: 08/135,319  
PRIOR FILING DATE: 1993-10-12  
NUMBER OF SEQ ID NOS: 36  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 8  
LENGTH: 10  
TYPE: PRT  
ORGANISM: artificial sequence  
FEATURE:  
OTHER INFORMATION: Synthetic inhibitory peptide  
US-10-319-340-8

Query Match 35.6%; Score 31; DB 14; Length 10;  
Best Local Similarity 57.1%; Pred. No. 4.1e+02;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 4 WKNRIWL 10  
Db 1 YKNNKTW 7

RESULT 11  
US-10-354-240-97  
Sequence 97, Application US/10354240  
Publication No. US20030185847A1  
GENERAL INFORMATION:  
APPLICANT: Sone, Toshio  
APPLICANT: Kume, Akimori  
APPLICANT: Dairiki, Kazuo  
APPLICANT: Iwama, Akiko  
APPLICANT: Kino, Kohsuke  
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
FILE REFERENCE: SPO-103D1  
CURRENT APPLICATION NUMBER: US/10/354,240  
CURRENT FILING DATE: 2003-01-29  
PRIOR APPLICATION NUMBER: PCT/JF97/00740  
PRIOR FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524  
PRIOR FILING DATE: 1998-09-09  
NUMBER OF SEQ ID NOS: 174  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 97  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Cryptomeria japonica  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (1)..(15)  
OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 14  
US-10-354-240-97

Query Match 35.6%; Score 31; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PASWK 5  
Db 11 PASWK 15

RESULT 12  
US-10-354-240-160  
Sequence 160, Application US/10354240  
Publication No. US20030185847A1  
GENERAL INFORMATION:  
APPLICANT: Sone, Toshio  
APPLICANT: Kume, Akimori  
APPLICANT: Dairiki, Kazuo  
APPLICANT: Iwama, Akiko  
APPLICANT: Kino, Kohsuke  
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
FILE REFERENCE: SPO-103D1  
CURRENT APPLICATION NUMBER: US/10/354,240  
CURRENT FILING DATE: 2003-01-29  
PRIOR APPLICATION NUMBER: PCT/JF97/00740  
PRIOR FILING DATE: 1997-03-10  
PRIOR APPLICATION NUMBER: US 09/142,524  
PRIOR FILING DATE: 1998-09-09  
NUMBER OF SEQ ID NOS: 174  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 160  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Cryptomeria japonica  
FEATURE:  
NAME/KEY: MISC FEATURE  
LOCATION: (1)..(15)  
OTHER INFORMATION: Figure 7, Row c  
US-10-354-240-160

Query Match 35.6%; Score 31; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PASWK 5  
Db 11 PASWK 15

RESULT 13  
US-09-911-838-140  
Sequence 140, Application US/09911838  
Patent No. US20020151678A1  
GENERAL INFORMATION:  
APPLICANT: AKLINGHAUS, RALPH  
TITLE OF INVENTION: PROPHYLAXIS AND THERAPY OF ACQUIRED IMMUNODEFICIENCY  
TITLE OF INVENTION: SYNDROME  
FILE REFERENCE: UTSC:267USC1  
CURRENT APPLICATION NUMBER: US/09/911,838  
CURRENT FILING DATE: 2001-07-24

```
; PRIOR APPLICATION NUMBER: 07/834,923
; PRIOR FILING DATE: 1992-02-13
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 140
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-911-838-140

Query Match      34.5%; Score 30; DB 9; Length 7;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNNRI 9
      |||||
Db      1 WKNNMV 6

Search completed: April 29, 2004, 10:34:10
JOB time : 31.85 secs

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-911-838-141

Query Match      34.5%; Score 30; DB 9; Length 7;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNNRI 9
      |||||
Db      1 WKNNMV 6

Search completed: April 29, 2004, 10:34:10
JOB time : 31.85 secs

; PRIOR APPLICATION NUMBER: 07/834,923
; PRIOR FILING DATE: 1992-02-13
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 140
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-911-838-140

Query Match      34.5%; Score 30; DB 9; Length 6;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNNRI 9
      |||||
Db      1 WKNNMV 6

RESULT 14
US-09-911-838-139
; Sequence 139, Application US/09911838
; Patent No. US20020151678A1
; GENERAL INFORMATION:
; APPLICANT: ARLINGHAUS, RALPH
; TITLE OF INVENTION: PROPHYLAXIS AND THERAPY OF ACQUIRED IMMUNODEFICIENCY
; FILE REFERENCE: UTSC:267USC1
; CURRENT APPLICATION NUMBER: US/09/911,838
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 07/834,923
; PRIOR FILING DATE: 1992-02-13
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 139
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-911-838-139

Query Match      34.5%; Score 30; DB 9; Length 7;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      4 WKNNRI 9
      |||||
Db      2 WKNNMV 7

RESULT 15
US-09-911-838-141
; Sequence 141, Application US/09911838
; Patent No. US20020151678A1
; GENERAL INFORMATION:
; APPLICANT: ARLINGHAUS, RALPH
; TITLE OF INVENTION: PROPHYLAXIS AND THERAPY OF ACQUIRED IMMUNODEFICIENCY
; FILE REFERENCE: UTSC:267USC1
; CURRENT APPLICATION NUMBER: US/09/911,838
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 07/834,923
; PRIOR FILING DATE: 1992-02-13
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 141
; LENGTH: 7
; TYPE: PRT
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US-08-467-023-183

Query Match 54.3%; Score 44; DB 3; Length 13;  
Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDGIIAAAYQ 9  
DB 5 VDGIIAAAYQ 13

RESULT 2

US-08-467-023-185  
; Sequence 185, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 185:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 13 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-185

Query Match 54.3%; Score 44; DB 3; Length 13;  
Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDGIIAAAYQ 9  
DB 5 VDGIIAAAYQ 13

RESULT 3

US-08-925-002-11  
; Sequence 11, Application US/08925002  
; Patent No. 6048527  
; GENERAL INFORMATION:  
; APPLICANT: Granoff, Dan M.  
; APPLICANT: Moe, Gregory R.  
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE  
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE  
; FILE REFERENCE: 1238.002  
; CURRENT APPLICATION NUMBER: US/08/925,002  
; CURRENT FILING DATE: 1997-08-27  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: sequence from  
; OTHER INFORMATION: a phage display peptide library

US-08-925-002-11

Query Match 38.3%; Score 31; DB 3; Length 8;  
Best Local Similarity 50.0%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
QY 8 YONPASWK 15  
DB 1 YQGPLGWR 8

RESULT 4

US-09-910-552-11  
; Sequence 11, Application US/09910552  
; Patent No. 6642354  
; GENERAL INFORMATION:  
; APPLICANT: Granoff, Dan M.  
; APPLICANT: Moe, Gregory R.  
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE  
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE  
; FILE REFERENCE: 1238.002  
; CURRENT APPLICATION NUMBER: US/09/910,552  
; CURRENT FILING DATE: 2001-07-23  
; PRIOR APPLICATION NUMBER: 09/494,822  
; PRIOR FILING DATE: 2000-01-31  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: sequence from  
; OTHER INFORMATION: a phage display peptide library

US-09-910-552-11

Query Match 38.3%; Score 31; DB 4; Length 8;  
Best Local Similarity 50.0%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
QY 8 YONPASWK 15  
DB 1 YQGPLGWR 8

RESULT 5

5217869-96  
; Patent No. 5217869  
; APPLICANT: KAUVAR, LAWRENCE M.  
; TITLE OF INVENTION: METHOD TO PRODUCE IMMUNODIAGNOSTIC  
; REAGENTS



NUMBER OF SEQUENCES: 121  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/255,906  
FILING DATE: 11-OCT-1988  
SEQ ID NO:96:  
LENGTH: 9  
5217869-96

Query Match 35.8%; Score 29; DB 6; Length 9;  
Best Local Similarity 100.0%; Pred. No. 3e-05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GIIAAY 8  
| | | | |  
Db 1 GIIAAY 6

RESULT 6  
US-08-423-646A-54  
Sequence 54, Application US/08423646A  
Patent No. 6280964  
GENERAL INFORMATION:  
APPLICANT: Kavanaugh, William M.  
APPLICANT: Williams, Lewis T.  
TITLE OF INVENTION: Binding Sites for Phosphotyrosine  
TITLE OF INVENTION: Binding Domains  
NUMBER OF SEQUENCES: 74  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/423,646A  
FILING DATE: 14-APR-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Dow, Karen B.  
REGISTRATION NUMBER: 29,684  
REFERENCE/DOCKET NUMBER: 2307K-059100  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-326-2400  
TELEFAX: 415-326-2422

INFORMATION FOR SEQ ID NO: 54:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Region  
LOCATION: one-of(7)  
OTHER INFORMATION: /note= "Xaa is phosphotyrosine."

US-08-423-646A-54

Query Match 35.8%; Score 29; DB 3; Length 13;  
Best Local Similarity 50.0%; Pred. No. 61;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 7 AYQNPASW 14  
| | | | |  
Db 1 AFDNPDW 8

RESULT 7

US-08-716-284-4  
Sequence 4, Application US/08716284  
Patent No. 5866374  
GENERAL INFORMATION:  
APPLICANT: KOBAYASHI, Osamu  
APPLICANT: HAYASHI, No. 5866374uyuki  
APPLICANT: SONE, Hideraka  
TITLE OF INVENTION: GENE CONFERRING FLOCCULATING PROPERTY ON  
TITLE OF INVENTION: YEAST AND GENE PRODUCT THEREOF  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 3000 K Street, N.W., Suite 500  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20007-5109

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/716,284  
FILING DATE: 01-OCT-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/JP96/00183  
FILING DATE: 31-JAN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 108668/1995  
FILING DATE: 02-MAY-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 015449/1995  
FILING DATE: 01-FEB-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 81356/110  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202)672-5300  
TELEFAX: (202)672-5399  
TELEX: 904136

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-716-284-4

Query Match 35.8%; Score 29; DB 2; Length 14;  
Best Local Similarity 62.5%; Pred. No. 67;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 AYQNPASW 14  
| | | | |  
Db 5 AFWNTASW 12

RESULT 8  
US-08-460-874A-26  
Sequence 26, Application US/08460874A  
Patent No. 5744298  
GENERAL INFORMATION:  
APPLICANT: Stuber, Werner  
APPLICANT: Wiczorek, Leszek  
APPLICANT: Ziegelmaier, Robert  
TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor  
TITLE OF INVENTION: and the Use Thereof  
NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &

```

; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington,
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460.874A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: US 07/936,219
; FILING DATE: 27-AUG-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P4128684.7
; FILING DATE: 29-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Forman, David S.
; REGISTRATION NUMBER: 33,694
; REFERENCE/DOCKET NUMBER: 05552-1210-04000
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-388-883B-26

Query Match 35.8%; Score 29; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 73;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPAW 14
DB 3 NPAW 7

RESULT 9
US-08-388-883B-26
; Sequence 26, Application US/08388883B
; Patent No. 5859185
; GENERAL INFORMATION:
; APPLICANT: ST BER, Werner
; APPLICANT: WIECZOREK, Leszek
; APPLICANT: ZIEGELMAIER, Robert
; TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor
; TITLE OF INVENTION: and the Use Thereof
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSER: Dunner L.L.P.
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington,
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/388.883B
; FILING DATE: 13-FEB-1995

Query Match 35.8%; Score 29; DB 2; Length 15;
Best Local Similarity 80.0%; Pred. No. 73;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPAW 14
DB 3 NPAW 7

RESULT 10
US-08-462-211A-26
; Sequence 26, Application US/08462211A
; Patent No. 6143493
; GENERAL INFORMATION:
; APPLICANT: Stuber, Werner
; APPLICANT: WIECZOREK, Leszek
; APPLICANT: ZIEGELMAIER, Robert
; TITLE OF INVENTION: HCMV-Specific Peptides, Agents Therefor
; TITLE OF INVENTION: and the Use Thereof
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSER: Dunner L.L.P.
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington,
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/462,211A
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/388,883
; FILING DATE: 13-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/300,305
; FILING DATE: 23-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/936,219
; FILING DATE: 27-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P4128684.7
; FILING DATE: 29-AUG-1991

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Query Match	Best Local Similarity	Score 29;	DB 3;	Length 15;	Mismatches	Indels	Gaps
35.8%;	80.0%;	Pred. No. 73;			0;	0;	0;
Matches	4;	Conservative	1;	Mismatches	0;	Indels	0;
Qy	10 NPASW 14						
Db	3 NPANW 7						
<p>RESULT 11</p> <p>US-09-643-597-226</p> <p>Sequence 226, Application US/09643597</p> <p>Patent No. 6426072</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Wang, Tongtong</p> <p>APPLICANT: Fan, Liqun</p> <p>APPLICANT: Kalos, Michael D.</p> <p>APPLICANT: Bangur, Chaitanya S.</p> <p>APPLICANT: Hosken, Nancy R.</p> <p>APPLICANT: Fanger, Gary R.</p> <p>APPLICANT: Li, Samuel X.</p> <p>APPLICANT: Aijun</p> <p>APPLICANT: Henderson, Robert A.</p> <p>APPLICANT: Skeiky, Yasir A.W.</p> <p>APPLICANT: McNeill, Patricia D.</p> <p>TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY</p> <p>TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER</p> <p>FILE REFERENCE: 210121.455C11</p> <p>CURRENT APPLICATION NUMBER: US/09/643,597</p> <p>CURRENT FILING DATE: 2000-08-21</p> <p>NUMBER OF SEQ ID NOS: 369</p> <p>SOFTWARE: FastSeq for Windows Version 3.0</p> <p>SEQ ID NO 226</p> <p>LENGTH: 9</p> <p>TYPE: PRT</p> <p>ORGANISM: Homo sapien</p> <p>US-09-643-597-226</p>							
Query Match	34.6%;	Score 28;	DB 4;	Length 9;			
Best Local Similarity	80.0%;	Pred. No. 3e+05;					
Matches	4;	Conservative	1;	Mismatches	0;	Indels	0;
Qy	11 PASWK 15						
Db	4 PATWK 8						
<p>RESULT 12</p> <p>US-09-480-884A-226</p> <p>Sequence 226, Application US/09480884A</p> <p>Patent No. 6482597</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Wang, Tongtong</p> <p>APPLICANT: Fan, Liqun</p> <p>APPLICANT: Kalos, Michael D.</p> <p>APPLICANT: Bangur, Chaitanya S.</p> <p>APPLICANT: Hosken, Nancy R.</p> <p>APPLICANT: Fanger, Gary R.</p> <p>APPLICANT: Li, Samuel X.</p> <p>APPLICANT: Aijun</p> <p>APPLICANT: Skeiky, Yasir A.W.</p> <p>TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY</p> <p>TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER</p> <p>FILE REFERENCE: 210121.455C9</p> <p>CURRENT APPLICATION NUMBER: US/09/606,421B</p> <p>CURRENT FILING DATE: 2000-06-28</p>							

Job time : 12.85 secs

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; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 226
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-606-421B-226

Query Match      34.6%; Score 28; DB 4; Length 9;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      11 PASWK 15
Db      4 PATWK 8

RESULT 15
US-08-934-222-49
; Sequence 49, Application US/08934222
; Patent No. 5928896
; GENERAL INFORMATION:
; APPLICANT: EVANS, Herbert J.
; APPLICANT: KINI, R. Manjunatha
; TITLE OF INVENTION: Polypeptides That Include Conformation-
; TITLE OF INVENTION: Constraining Groups Which Plank A Protein-Protein Interaction
; TITLE OF INVENTION: Site
; NUMBER OF SEQUENCES: 153
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: Suite 500, 3000 K Street NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20007
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,222
; FILING DATE: 19-SEPT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/532,818
; FILING DATE: 03-MAY-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 08/143,364
; FILING DATE: 29-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 08/051,741
; FILING DATE: 23-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Isaacson, John P.
; REGISTRATION NUMBER: 33,751
; REFERENCE/DOCKET NUMBER: 040433/0148
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-934-222-49

Query Match      34.6%; Score 28; DB 2; Length 10;
Best Local Similarity 80.0%; Pred. No. 67;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      10 NEASW 14
Db      1 NEAGW 5
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Search completed: April 29, 2004, 09:27:32

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-13

Perfect score: 72

Sequence: 1 SALLVPKSKFVN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	30	41.7	13	1	US-08-548-540-153
2	30	41.7	13	5	PCT-US96-09809-153
3	29	40.3	10	1	US-08-214-650-5
4	27	37.5	10	4	US-08-469-260A-250
5	27	37.5	10	4	US-08-488-446-250
6	27	37.5	10	4	US-08-467-344A-250
7	26	36.1	9	4	US-09-492-543-55
8	26	36.1	9	4	US-09-492-543-105
9	26	36.1	9	4	US-09-492-543-112
10	26	36.1	9	4	US-09-187-859-3887
11	26	36.1	9	4	US-09-839-542B-3887
12	26	36.1	10	4	US-09-187-859-3888
13	26	36.1	10	4	US-09-839-542B-3888
14	26	36.1	11	4	US-09-187-859-3889
15	26	36.1	11	4	US-09-839-542B-3889
16	26	36.1	15	3	US-09-101-146-51
17	26	34.7	12	3	US-08-844-978-11
18	25	34.7	12	3	US-08-844-978-14
19	25	34.7	12	4	US-09-479-378-11
20	25	34.7	12	4	US-09-479-378-14
21	25	34.7	13	1	US-08-276-213-5
22	25	34.7	15	1	US-08-318-200-3
23	25	34.7	15	3	US-08-414-174-3
24	24	33.3	8	1	US-08-266-514-12
25	24	33.3	8	2	US-08-654-604-12
26	24	33.3	8	4	US-09-187-859-3165
27	24	33.3	8	4	US-09-187-859-3255

28	24	33.3	8	4	US-09-839-542B-3165	Sequence 3165, Ap
29	24	33.3	8	4	US-09-839-542B-3255	Sequence 3255, Ap
30	24	33.3	8	4	US-09-535-852-509	Sequence 509, App
31	24	33.3	8	4	US-09-535-852-509	Sequence 599, App
32	24	33.3	9	3	US-08-159-339A-1163	Sequence 1163, Ap
33	24	33.3	9	4	US-09-187-859-3166	Sequence 3166, Ap
34	24	33.3	9	4	US-09-187-859-3256	Sequence 3256, Ap
35	24	33.3	9	4	US-09-839-542B-3166	Sequence 3166, Ap
36	24	33.3	9	4	US-09-839-542B-3256	Sequence 3256, Ap
37	24	33.3	9	4	US-09-535-852-510	Sequence 510, App
38	24	33.3	9	4	US-09-535-852-600	Sequence 600, App
39	24	33.3	9	4	US-09-601-729-175	Sequence 175, App
40	24	33.3	10	3	US-08-159-339A-1164	Sequence 1164, Ap
41	24	33.3	10	4	US-09-187-859-3167	Sequence 3167, Ap
42	24	33.3	10	4	US-09-187-859-3257	Sequence 3257, Ap
43	24	33.3	10	4	US-09-839-542B-3167	Sequence 3167, Ap
44	24	33.3	10	4	US-09-839-542B-3257	Sequence 3257, Ap
45	24	33.3	10	4	US-09-535-852-511	Sequence 511, App

## ALIGNMENTS

RESULT 1  
US-08-548-540-153  
; Sequence 153, Application US/08548540  
; Patent No. 5733731  
; GENERAL INFORMATION:  
; APPLICANT: Schatz, Peter J.  
; APPLICANT: Cull, Millard G.  
; APPLICANT: Miller, Jeff F.  
; APPLICANT: Stemmer, Willem P.C.  
; APPLICANT: Gates, Christian M.  
; TITLE OF INVENTION: Peptide Library and Screening Method  
; NUMBER OF SEQUENCES: 162  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: William M. Smith  
; STREET: One Market Plaza, Steuart Tower, Suite 2000  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94105

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION NUMBER: US/08/548,540  
FILING DATE: 26-OCT-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/290,641  
FILING DATE: 15-AUG-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/963,321  
FILING DATE: 15-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M.  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 16528J-001240US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-326-2400  
TELEFAX: 415-326-2422  
INFORMATION FOR SEQ ID NO: 153:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-548-540-153

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Query Match 41.7%; Score 30; DB 1; Length 13;
Best Local Similarity 55.6%; Pred. No. 33;
Matches 5; Conservative 2; Mismatches 0; Gaps 0;

Qy 7 PGSKKFVN 15
Db 5 PGRRAFMVN 13

RESULT 2
PCT-US96-09809-153
; Sequence 153, Application PC/TUS9609809
; GENERAL INFORMATION:
; APPLICANT: Schatz, Peter J.
; APPLICANT: Cull, Millard G.
; APPLICANT: Miller, Jeff F.
; APPLICANT: Stemmer, William P.C.
; APPLICANT: Gates, Christian M.
; TITLE OF INVENTION: Peptide Library and Screening Method
; NUMBER OF SEQUENCES: 162
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: William M. Smith
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/09809
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/548,540
; FILING DATE: 26-OCT-1995
; APPLICATION NUMBER: US 08/290,641
; FILING DATE: 15-AUG-1994
; APPLICATION DATA:
; APPLICATION NUMBER: US 07/963,321
; FILING DATE: 15-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 16528J-001240US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 153:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; PCT-US96-09809-153

Query Match 41.7%; Score 30; DB 5; Length 13;
Best Local Similarity 55.6%; Pred. No. 33;
Matches 5; Conservative 2; Mismatches 0; Gaps 0;

Qy 7 PGSKKFVN 15
Db 5 PGRRAFMVN 13

RESULT 3
US-08-214-650-5
; Sequence 5, Application US/08214650
; Patent No. 5709995
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; GENERAL INFORMATION:
; APPLICANT: Chisari, Francis V.
; APPLICANT: Cerry, Andreas
; TITLE OF INVENTION: PEPTIDES FOR INDUCING CYTOTOXIC T
; LYMPHOCYTE RESPONSES TO HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Leydig, Voigt & Mayer
; STREET: Two Prudential Plaza, Suite 4900
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/214,650
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Silver, Donald J.
; REGISTRATION NUMBER: 37552
; REFERENCE/DOCKET NUMBER: 61230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 616-5600
; TELEFAX: (312) 616-5700
; TELEX: 25-3533
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-214-650-5

Query Match 40.3%; Score 29; DB 1; Length 10;
Best Local Similarity 60.0%; Pred. No. 37;
Matches 6; Conservative 2; Mismatches 0; Gaps 0;

Qy 4 LLVPSKKFV 13
Db 1 LLAPGAKQV 10

RESULT 4
US-08-469-260A-250
; Sequence 250, Application US/08469260A
; Patent No. 6451578
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAWSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUEHRHOFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MUSHAWAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
; REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
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COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/08/469,260A  
FILING DATE:  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/424,550  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: FOREMSKI, PRISCILLA E.  
REGISTRATION NUMBER: 33,207  
REFERENCE/DOCKET NUMBER: 5527.PC.01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 708-937-6365  
TELEFAX: 708-938-2623  
INFORMATION FOR SEQ ID NO: 250:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-469-260A-250

Query Match 37.5%; Score 27; DB 4; Length 10;  
Best Local Similarity 57.1%; Pred. No. 87;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 7 PGSKKFV 13  
Db 1 PGDRKFL 7

RESULT 5  
US-08-488-446-250  
Sequence 250, Application US/08488446  
Patent No. 658898  
GENERAL INFORMATION:  
APPLICANT: JOHN N. SIMONS  
APPLICANT: TAMI J. PILOT-MATIAS  
APPLICANT: GEORGE J. DAWSON  
APPLICANT: GEORGE G. SCHLAUDER  
APPLICANT: SURESH M. DESAI  
APPLICANT: THOMAS P. LEARY  
APPLICANT: ANTHONY SCOTT MUERHOFF  
APPLICANT: JAMES C. ERKER  
APPLICANT: SHERI L. BUIJK  
APPLICANT: ISA K. MUSHAWAR  
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS  
NUMBER OF SEQUENCES: 716  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D  
STREET: 100 ABBOTT PARK ROAD  
CITY: ABBOTT PARK  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
FILING DATE:  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/424,550  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: FOREMSKI, PRISCILLA E.  
REGISTRATION NUMBER: 33,207  
REFERENCE/DOCKET NUMBER: 5527.PC.01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 708-937-6365  
TELEFAX: 708-938-2623  
INFORMATION FOR SEQ ID NO: 250:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-488-446-250

Query Match 37.5%; Score 27; DB 4; Length 10;  
Best Local Similarity 57.1%; Pred. No. 87;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 7 PGSKKFV 13  
Db 1 PGDRKFL 7

RESULT 6  
US-08-467-344A-250  
Sequence 250, Application US/08467344A  
Patent No. 6586388  
GENERAL INFORMATION:  
APPLICANT: JOHN N. SIMONS  
APPLICANT: TAMI J. PILOT-MATIAS  
APPLICANT: GEORGE J. DAWSON  
APPLICANT: GEORGE G. SCHLAUDER  
APPLICANT: SURESH M. DESAI  
APPLICANT: THOMAS P. LEARY  
APPLICANT: ANTHONY SCOTT MUERHOFF  
APPLICANT: JAMES C. ERKER  
APPLICANT: SHERI L. BUIJK  
APPLICANT: ISA K. MUSHAWAR  
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS  
NUMBER OF SEQUENCES: 716  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D  
STREET: 100 ABBOTT PARK ROAD  
CITY: ABBOTT PARK  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
FILING DATE: 07-Jun-1995  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 08/424,550  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: FOREMSKI, PRISCILLA E.  
REGISTRATION NUMBER: 33,207  
REFERENCE/DOCKET NUMBER: 5527.PC.01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 708-937-6365  
TELEFAX: 708-938-2623  
INFORMATION FOR SEQ ID NO: 250:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

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; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 250:
US-08-467-344A-250

Query Match      37.5%; Score 27; DB 4; Length 10;
Best Local Similarity 57.1%; Pred. No. 87;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 PGSKKFV 13
DB 1 PGDRKFL 7

RESULT 7
US-09-492-543-55
; Sequence 55, Application US/09492543A
; Patent No. 6316213
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; FILE REFERENCE: D6223CIP-B
; CURRENT APPLICATION NUMBER: US/09/492,543A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 189
; SOFTWARE: WORD 6.0.1 for Macintosh
; SEQ ID NO 55
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 8-16 of the PUMP-1 protein
US-09-492-543-55

Query Match      36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 AMLLVPGS 9
DB 1 AVCLLPGS 8

US-09-492-543-105
; Sequence 105, Application US/09492543A
; Patent No. 6316213
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; FILE REFERENCE: D6223CIP-B
; CURRENT APPLICATION NUMBER: US/09/492,543A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 189
; SOFTWARE: WORD 6.0.1 for Macintosh
; SEQ ID NO 105
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 8-16 of the PUMP-1 protein
US-09-492-543-105

Query Match      36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 AMLLVPGS 9
DB 1 AVCLLPGS 8

US-09-492-543-112
; Sequence 112, Application US/09492543A
; Patent No. 6316213
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Compositions and Methods for the Early Diagnosis of
; FILE REFERENCE: D6223CIP-B
; CURRENT APPLICATION NUMBER: US/09/492,543A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/039,211
; PRIOR FILING DATE: 03-14-1998
; NUMBER OF SEQ ID NOS: 189
; SOFTWARE: WORD 6.0.1 for Macintosh
; SEQ ID NO 112
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Residues 8-16 of the PUMP-1 protein
US-09-492-543-112

Query Match      36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 AMLLVPGS 9
DB 1 AVCLLPGS 8

US-09-187-859-3887
; Sequence 3887, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Crest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3887
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-187-859-3887

Query Match      36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 KKFVNV 15
DB 1 KKFVNV 6

RESULT 11
US-09-839-542B-3887
; Sequence 3887, Application US/09839542B
; Patent No. 6569996

```



```
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3887
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-839-542B-3887

Query Match          36.1%; Score 26; DB 4; Length 9;
Best Local Similarity 66.7%; Pred. No. 3e+05;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      10 KKFVYN 15
DB      1 KKFLIN 6

RESULT 12
US-09-187-859-3888
; Sequence 3888, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3885
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-187-859-3888

Query Match          36.1%; Score 26; DB 4; Length 10;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      10 KKFVYN 15
DB      1 KKFLIN 6

RESULT 13
US-09-839-542B-3888
; Sequence 3888, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
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; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3888
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-839-542B-3888

Query Match          36.1%; Score 26; DB 4; Length 10;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      10 KKFVYN 15
DB      1 KKFLIN 6

RESULT 14
US-09-187-859-3889
; Sequence 3889, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3889
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-187-859-3889

Query Match          36.1%; Score 26; DB 4; Length 11;
Best Local Similarity 66.7%; Pred. No. 1.5e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      10 KKFVYN 15
DB      1 KKFLIN 6

RESULT 15
US-09-839-542B-3889
; Sequence 3889, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3889
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Thu Apr 29 11:08:42 2004

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; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-related neuronal receptor cell adhesion
; OTHER INFORMATION: recognition sequence
US-09-839-542B-3889

Query Match          36.1%; Score 26; DB 4; Length 11;
Best Local Similarity 66.7%; Pred. No. 1.5e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 KKVVVN 15
   |||::|
Db 1 KKFLIN 6

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Search completed: April 29, 2004, 09:27:31  
Job time : 11.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds

(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-14

Perfect score: 81

Sequence: 1 VDGIITAAQNPAWSK 15

Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*

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17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*

18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	81	100.0	15	14	US-10-354-240-97
2	81	100.0	15	14	US-10-354-240-160
3	57	70.4	15	14	US-10-354-240-98
4	50	61.7	15	14	US-10-354-240-96
5	33	40.7	10	12	US-10-142-648-6
6	32	39.5	13	14	US-10-225-567A-2186
7	31	38.3	8	9	US-09-910-552-11
8	31	38.3	8	16	US-10-643-465-11
9	31	38.3	13	14	US-10-300-694A-53
10	31	38.3	13	14	US-10-300-694A-60
11	31	38.3	13	14	US-10-354-240-99
12	29	35.8	13	9	US-09-894-967A-54
13	29	35.8	14	14	US-10-224-999A-3086
14	29	35.8	15	14	US-10-224-999A-3097
15	29	35.8	15	14	US-10-224-999A-3098

Sequence 226, App  
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Sequence 226, App  
Sequence 226, App  
Sequence 226, App  
Sequence 6, Appli  
Sequence 6, Appli  
Sequence 561, App  
Sequence 25, Appl  
Sequence 67, Appl  
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Sequence 22, Appl  
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Sequence 16, Appl  
Sequence 65, Appl  
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Sequence 16, Appl  
Sequence 27, Appl  
Sequence 27, Appl  
Sequence 18, Appl  
Sequence 19, Appl  
Sequence 24, Appl  
Sequence 7, Appl  
Sequence 115, App  
Sequence 103, App  
Sequence 762, App  
Sequence 285, App  
Sequence 21, Appl

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US-10-117-982-226  
US-10-313-986-226  
US-09-949-434-6  
US-10-240-709-6  
US-10-022-066-561  
US-09-736-076-25  
US-09-736-076-67  
US-10-032-330-21  
US-10-032-330-22  
US-10-262-435-58  
US-10-086-208-58  
US-09-952-768-16  
US-09-954-657-65  
US-09-845-612B-14  
US-10-668-955-16  
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US-10-407-449-18  
US-10-407-449-19  
US-10-122-675-24  
US-10-059-261-7  
US-10-059-261-115  
US-09-954-385-103  
US-10-014-340-762  
US-10-393-815-285  
US-10-013-477-21

#### ALIGNMENTS

RESULT 1  
US-10-354-240-97  
; Sequence 97, Application US/10354240  
; Publication NO. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daiiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 97  
; LENGTH: 15  
; TYPE: PRI  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 14  
US-10-354-240-97

Query Match 100.0%; Score 81; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 6.8e-07; Indels 0; Gaps 0;  
Matches 15; Conservative 0; Mismatches 0;

QY 1 VDGIITAAQNPAWSK 15

Db 1 VDGIITAAQNPAWSK 15

RESULT 2  
US-10-354-240-160  
; Sequence 160, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daiiziki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 160  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Figure 7, Row C

US-10-354-240-160

Query Match 100.0%; Score 81; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 6.8e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDGIIIAAYONPASWK 15  
DB 1 VDGIIIAAYONPASWK 15

RESULT 3  
US-10-354-240-98  
; Sequence 98, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daiiziki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 98  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 15

Query Match 70.4%; Score 57; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.0083;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 AAYONPASWK 15  
DB 1 AAYONPASWK 10

RESULT 4  
US-10-354-240-96  
; Sequence 96, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daiiziki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 96  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 13

US-10-354-240-96  
Query Match 61.7%; Score 50; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.13;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDGIIIAAYON 10  
DB 6 VDGIIIAAYON 15

RESULT 5  
US-10-142-648-6  
; Sequence 6, Application US/10142648  
; Publication No. US20030211535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lorens, James  
; APPLICANT: Bogenberger, Jakob M.  
; TITLE OF INVENTION: BI-DIRECTIONALLY CLONED RANDOM CDNA EXPRESSION VECTOR LIBRARIES,  
; FILE REFERENCE: A-71091/RMS/DHR  
; CURRENT APPLICATION NUMBER: US/10/142,648  
; CURRENT FILING DATE: 2002-05-08  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: vector sequence

US-10-142-648-6  
Query Match 40.7%; Score 33; DB 12; Length 10;  
Best Local Similarity 83.3%; Pred. No. 66;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 9 QNPASW 14  
DB 9 QNPASW 14

```

Db      2 QNPAQW 7

RESULT 6
US-10-225-567A-2186
; Sequence 2186, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenn A.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2186
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-2186

Query Match      39.5%; Score 32; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      1 VDGIIAAYQN 10
      |||
      2 VDAVIDAYNN 11

RESULT 7
US-09-910-552-11
; Sequence 11, Application US/09910552
; Publication No. US20020197260A1
; GENERAL INFORMATION:
; APPLICANT: Granoff, Dan M.
; APPLICANT: Moe, Gregory R.
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE
; FILE REFERENCE: 1238.002
; CURRENT APPLICATION NUMBER: US/09/910,552
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: 09/494,822
; PRIOR FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence from
; OTHER INFORMATION: a phage display peptide library
US-09-910-552-11

Query Match      38.3%; Score 31; DB 9; Length 8;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      8 YONPASWK 15
      |||
      1 YQGFLGWR 8

RESULT 8
US-10-643-465-11
; Sequence 11, Application US/10643465
; Publication No. US20030185870A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Grinstead, Mark W.
; APPLICANT: Kenan, Daniel J.
; APPLICANT: Walsh, Elisabeth B.
; APPLICANT: Middleton, Crystan
; TITLE OF INVENTION: INTERFACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT APPLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-08-07
; PRIOR APPLICATION NUMBER: US 60/331,843
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 53
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Stainless steel-binding peptide 53
US-10-300-694A-53

Query Match      38.3%; Score 31; DB 14; Length 13;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY      2 DGIIAAYQNP 11
      |||
      1 DGFFILYKNP 10

RESULT 10
US-10-300-694A-60
; Sequence 60, Application US/10300694A
; Publication No. US20030185870A1
; GENERAL INFORMATION:
; APPLICANT: Duke University

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; APPLICANT: Grinstead, Mark W.
; APPLICANT: Kenan, Daniel J.
; APPLICANT: Walsh, Elisabeth B.
; APPLICANT: Middleton, Crystan
; TITLE OF INVENTION: INTERFACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT APPLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-05-07
; PRIOR APPLICATION NUMBER: US 60/331,843
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 60
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Stainless steel-binding peptide 60
US-10-300-694A-60

Query Match      38.3%; Score 31; DB 14; Length 13;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY      2 DGIIAAYQNP 11
Db      1 DGFILYKNP 10

RESULT 11
US-10-354-240-99
; Sequence 99, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daijiki, Kazuo
; APPLICANT: Iwama, Akiyo
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 99
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC.FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 16
US-10-354-240-99

Query Match      38.3%; Score 31; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 PASWK 15
Db      1 PASWK 5

RESULT 12
US-09-894-967A-54
; Sequence 54, Application US/09894967A
; Patent No. US20020156236A1
; GENERAL INFORMATION:

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; APPLICANT: Kavanaugh, William M.
; APPLICANT: Williams, Lewis T.
; TITLE OF INVENTION: Binding Sites for Phosphotyrosine
; CORRESPONDENCE ADDRESS:
; NUMBER OF SEQUENCES: 74
; ADDRESS: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/09/894,967A
; APPLICATION NUMBER: US 08/423,646
; FILING DATE: 15-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/423,646
; FILING DATE: 14-Apr-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Serafini, Andrew T.
; REGISTRATION NUMBER: 41,303
; REFERENCE/DOCKET NUMBER: 2307K-059110
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(7)
; OTHER INFORMATION: /note="Xaa is phosphotyrosine."
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-894-967A-54

Query Match      35.8%; Score 29; DB 9; Length 13;
Best Local Similarity 50.0%; Pred. No. 4.2e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      7 AYONPASW 14
Db      1 AFDNPDW 8

RESULT 13
US-10-224-999A-3086
; Sequence 3086, Application US/10224999A
; Publication No. US2003017118A1
; GENERAL INFORMATION:
; APPLICANT: Myriad Genetics, Inc.
; APPLICANT: Morham, Scott
; APPLICANT: Zavitz, Keston
; APPLICANT: Hobden, Adrian
; TITLE OF INVENTION: Composition and Method for Treating Viral Infection
; FILE REFERENCE: 5004.01
; CURRENT APPLICATION NUMBER: US/10/224,999A
; CURRENT FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: US 60/313,695
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 3484
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3086
; LENGTH: 14

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; TYPE: PRT  
; ORGANISM: Human herpesvirus 5  
US-10-224-999A-3086

Query Match 35.8%; Score 29; DB 14; Length 14;  
Best Local Similarity 80.0%; Pred. NO. 4.5e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPASW 14  
Db 10 NPANW 14

## RESULT 14

US-10-224-999A-3097  
; Sequence 3097, Application US/10224999A  
; Publication No. US20030171318A1  
; GENERAL INFORMATION:  
; APPLICANT: Myriad Genetics, Inc.  
; APPLICANT: Morham, Scott  
; APPLICANT: Zavitz, Kenton  
; APPLICANT: Hobden, Adrian  
; TITLE OF INVENTION: Composition and Method for Treating Viral Infection  
; FILE REFERENCE: 5004.01  
; CURRENT APPLICATION NUMBER: US/10/224,999A  
; CURRENT FILING DATE: 2003-03-03  
; PRIOR APPLICATION NUMBER: US 60/313,695  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 3484  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3097  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Human herpesvirus 5  
US-10-224-999A-3097

Query Match 35.8%; Score 29; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. NO. 4.9e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPASW 14  
Db 11 NPANW 15

## RESULT 15

US-10-224-999A-3098  
; Sequence 3098, Application US/10224999A  
; Publication No. US20030171318A1  
; GENERAL INFORMATION:  
; APPLICANT: Myriad Genetics, Inc.  
; APPLICANT: Morham, Scott  
; APPLICANT: Zavitz, Kenton  
; APPLICANT: Hobden, Adrian  
; TITLE OF INVENTION: Composition and Method for Treating Viral Infection  
; FILE REFERENCE: 5004.01  
; CURRENT APPLICATION NUMBER: US/10/224,999A  
; CURRENT FILING DATE: 2003-03-03  
; PRIOR APPLICATION NUMBER: US 60/313,695  
; PRIOR FILING DATE: 2001-08-20  
; NUMBER OF SEQ ID NOS: 3484  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3098  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Human herpesvirus 5  
US-10-224-999A-3098

Query Match 35.8%; Score 29; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. NO. 4.9e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 NPASW 14

Db 10 NPANW 14

Search completed: April 29, 2004, 10:34:09  
Job time : 30.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds

(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-13

Perfect score: 72

Sequence: 1 SAMLLVPGSKKFWN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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9: /cgn2\_6/ptcddata/2/pubpaa/US09A\_PUBCOMB.pep.\*  
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15: /cgn2\_6/ptcddata/2/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptcddata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptcddata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptcddata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	72	100.0	15	14	US-10-354-240-91
2	51	70.8	15	14	US-10-354-240-92
3	47	65.3	15	14	US-10-354-240-90
4	30	41.7	9	12	US-10-353-286-656
5	30	41.7	9	15	US-10-245-871-656
6	30	41.7	12	14	US-10-293-086-85
7	30	41.7	13	10	US-09-965-738-1
8	29	40.3	10	8	US-08-854-825-5
9	29	40.3	15	12	US-10-013-312-2624
10	29	40.3	15	12	US-10-013-312-2864
11	29	40.3	15	12	US-10-013-312-2931
12	28	38.9	15	12	US-10-013-312-2637
13	27	37.5	9	12	US-10-013-312-49
14	27	37.5	9	12	US-10-013-312-127
15	27	37.5	9	12	US-10-013-312-230

Sequence 308, App  
Sequence 416, App  
Sequence 505, App  
Sequence 1345, App  
Sequence 1488, App  
Sequence 1579, App  
Sequence 1621, App  
Sequence 1668, App  
Sequence 1700, App  
Sequence 1722, App  
Sequence 1868, App  
Sequence 1949, App  
Sequence 2038, App  
Sequence 204, App  
Sequence 250, App  
Sequence 1136, App  
Sequence 57, Appl  
Sequence 189, App  
Sequence 258, App  
Sequence 351, App  
Sequence 456, App  
Sequence 558, App  
Sequence 652, App  
Sequence 2390, App  
Sequence 2330, App  
Sequence 2331, App  
Sequence 2436, App  
Sequence 2437, App  
Sequence 18, Appl  
Sequence 132, App

9 12 US-10-013-312-308  
9 12 US-10-013-312-416  
9 12 US-10-013-312-505  
9 12 US-10-013-312-1345  
9 12 US-10-013-312-1488  
9 12 US-10-013-312-1579  
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9 12 US-10-013-312-1668  
9 12 US-10-013-312-1700  
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9 12 US-10-013-312-1868  
9 12 US-10-013-312-1949  
9 12 US-10-013-312-2038  
9 15 US-10-285-394-204  
10 8 US-08-424-550B-250  
10 10 US-09-932-165-1136  
10 12 US-10-013-312-57  
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10 12 US-10-013-312-558  
10 12 US-10-013-312-662  
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10 12 US-10-013-312-2331  
10 12 US-10-013-312-2436  
10 12 US-10-013-312-2437  
12 15 US-10-378-173-18  
15 10 US-09-791-524-132

#### ALIGNMENTS

#### RESULT 1

US-10-354-240-91  
; Sequence 91, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daiiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: King, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 91  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptosporidia japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 8  
US-10-354-240-91

Query Match 100.0%; Score 72; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.6e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SAMLLVPGSKKFWN 15

Db 1 SAMLLVPGSKKFWN 15



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RESULT 2
US-10-354-240-92
; Sequence 92, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103DI
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 92
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptosporidia japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 9
US-10-354-240-92
Query Match 70.8%; Score 51; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 VPGSKKFFVN 15
DB 1 VPGSKKFFVN 10

RESULT 3
US-10-354-240-90
; Sequence 90, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103DI
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 90
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptosporidia japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 7
US-10-354-240-90
Query Match 65.3%; Score 47; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4
US-10-253-286-656
; Sequence 656, Application US/10253286
; Publication No. US2004005881A1
; GENERAL INFORMATION:
; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: II-KEY/ANTIGENIC EPITOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2015
; CURRENT APPLICATION NUMBER: US/10/253,286
; CURRENT FILING DATE: 2003-01-13
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 656
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Bacillus anthracis
US-10-253-286-656
Query Match 41.7%; Score 30; DB 12; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 LVPGSKKFFV 13
DB 1 LVTSNKKFFI 9

RESULT 5
US-10-245-871-656
; Sequence 656, Application US/10245871
; Publication No. US20030235594A1
; GENERAL INFORMATION:
; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: II-KEY/ANTIGENIC EPITOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2013
; CURRENT APPLICATION NUMBER: US/10/245,871
; CURRENT FILING DATE: 2003-01-09
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 656
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Bacillus anthracis
US-10-245-871-656
Query Match 41.7%; Score 30; DB 15; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 LVPGSKKFFV 13
DB 1 LVTSNKKFFI 9

RESULT 6
US-10-293-086-85
; Sequence 85, Application US/10293086
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; Publication No. US20030134310A1
; GENERAL INFORMATION:
; APPLICANT: Cujec, Thomas P.
; TITLE OF INVENTION: Cellular Kinase Targets and Inhibitors,
; TITLE OF INVENTION: and Methods For their Use
; FILE REFERENCE: 50036/048002
; CURRENT APPLICATION NUMBER: US/10/293,086
; CURRENT FILING DATE: 2003-03-25
; PRIOR APPLICATION NUMBER: US 60/337,990
; PRIOR FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 85
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Phenylalanine derivative
US-10-293-086-85

Query Match 41.7%; Score 30; DB 14; Length 12;
Best Local Similarity 55.6%; Pred. No. 1.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 3 MLLVPGSKK 11
DB 4 LFFVFGTK 12

RESULT 7
US-09-965-738-1
; Sequence 1, Application US/09965738
; Publication No. US20030143667A1
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy
; TITLE OF INVENTION: Repeat Sequences of the CAl25 Gene and Their Use for Diagnostic a
; TITLE OF INVENTION: Therapeutic Interventions
; FILE REFERENCE: 40715-258841
; CURRENT APPLICATION NUMBER: US/09/965,738
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US 60/284,175
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-965-738-1

Query Match 41.7%; Score 30; DB 10; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PGSKKF 12
DB 3 PGSRKF 8

RESULT 8
US-08-854-825-5
; Sequence 5, Application US/08854825
; Publication No. US20020115061A1
; GENERAL INFORMATION:
; APPLICANT: Chisari, Francis V.
; APPLICANT: Cerny, Andreas
; TITLE OF INVENTION: PEPTIDES FOR INDUCING CYTOTOXIC T
; TITLE OF INVENTION: LYMPHOCYTE RESPONSES TO HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Leydig, Voit & Mayer
; STREET: Two Prudential Plaza, Suite 4900
; CITY: Chicago
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; STATE: IL
; COUNTRY: USA
; ZIP: 60601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/854,825
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Silver, Donald J.
; REGISTRATION NUMBER: 37552
; REFERENCE/DOCKET NUMBER: 61230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 616-5600
; TELEFAX: (312) 616-5700
; TELEX: 25-3533
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-854-825-5

Query Match 40.3%; Score 29; DB 8; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 LLVPGSKKFV 13
DB 1 LLAPGAKQNV 10

RESULT 9
US-10-013-312-2624
; Sequence 2624, Application US/10013312
; Publication No. US20030233900A1
; GENERAL INFORMATION:
; APPLICANT: RAITANO, ARTHUR
; APPLICANT: CHALLITA-EID, PIA
; APPLICANT: PARIS, MARY
; APPLICANT: HUBERT, RENE
; APPLICANT: GE, WANGMAO
; APPLICANT: JAKOBOWITZ, AYA
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED
; TITLE OF INVENTION: 193F1E1B USEFUL IN TREATMENT AND DETECTION OF CANCER
; FILE REFERENCE: 51158-20063.00
; CURRENT APPLICATION NUMBER: US/10/013,312
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 3005
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2624
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-013-312-2624

Query Match 40.3%; Score 29; DB 12; Length 15;
Best Local Similarity 50.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 AMLLVPGSKKFV 13
DB 3 AIKAVPPSKRFL 14

RESULT 10
US-10-013-312-2864
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; Sequence 2864, Application US/10013312  
; Publication No. US20030223990A1  
; GENERAL INFORMATION:  
; APPLICANT: RAITANO, ARTHUR  
; APPLICANT: CHALLITA-EID, PIA  
; APPLICANT: PARIS, MARY  
; APPLICANT: HUBERT, RENE  
; APPLICANT: GE, WANGMAO  
; APPLICANT: JAKOBOVITZ, AYA  
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED  
; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER  
; CURRENT APPLICATION NUMBER: US/10/013,312  
; CURRENT FILING DATE: 2002-05-30  
; NUMBER OF SEQ ID NOS: 3005  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 2864  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-013-312-2864

Query Match 40.3%; Score 29; DB 12; Length 15;  
Best Local Similarity 50.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 AMLVPGSKKFV 13  
DB 3 AIKAVPPSKRFL 14

RESULT 11  
US-10-013-312-2931  
; Sequence 2931, Application US/10013312  
; Publication No. US20030223990A1  
; GENERAL INFORMATION:  
; APPLICANT: RAITANO, ARTHUR  
; APPLICANT: CHALLITA-EID, PIA  
; APPLICANT: PARIS, MARY  
; APPLICANT: HUBERT, RENE  
; APPLICANT: GE, WANGMAO  
; APPLICANT: JAKOBOVITZ, AYA  
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED  
; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER  
; CURRENT APPLICATION NUMBER: US/10/013,312  
; CURRENT FILING DATE: 2002-05-30  
; NUMBER OF SEQ ID NOS: 3005  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 2931  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-013-312-2931

Query Match 40.3%; Score 29; DB 12; Length 15;  
Best Local Similarity 50.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 AMLVPGSKKFV 13  
DB 3 AIKAVPPSKRFL 14

RESULT 12  
US-10-013-312-2637  
; Sequence 2637, Application US/10013312  
; Publication No. US20030223990A1  
; GENERAL INFORMATION:  
; APPLICANT: RAITANO, ARTHUR  
; APPLICANT: CHALLITA-EID, PIA  
; APPLICANT: PARIS, MARY  
; APPLICANT: HUBERT, RENE

; APPLICANT: GE, WANGMAO  
; APPLICANT: JAKOBOVITZ, AYA  
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED  
; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER  
; CURRENT APPLICATION NUMBER: US/10/013,312  
; CURRENT FILING DATE: 2002-05-30  
; NUMBER OF SEQ ID NOS: 3005  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 2637  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-013-312-2637

Query Match 38.9%; Score 28; DB 12; Length 15;  
Best Local Similarity 54.5%; Pred. No. 3.5e+02;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 AMLVPGSKKF 12  
DB 5 AIKAVPPSKRF 15

RESULT 13  
US-10-013-312-49  
; Sequence 49, Application US/10013312  
; Publication No. US20030223990A1  
; GENERAL INFORMATION:  
; APPLICANT: RAITANO, ARTHUR  
; APPLICANT: CHALLITA-EID, PIA  
; APPLICANT: PARIS, MARY  
; APPLICANT: HUBERT, RENE  
; APPLICANT: GE, WANGMAO  
; APPLICANT: JAKOBOVITZ, AYA  
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED  
; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER  
; CURRENT APPLICATION NUMBER: US/10/013,312  
; CURRENT FILING DATE: 2002-05-30  
; NUMBER OF SEQ ID NOS: 3005  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 49  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-013-312-49

Query Match 37.5%; Score 27; DB 12; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1e+06;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 6 VPGSKKFV 13  
DB 1 VPSPKRF 8

RESULT 14  
US-10-013-312-127  
; Sequence 127, Application US/10013312  
; Publication No. US20030223990A1  
; GENERAL INFORMATION:  
; APPLICANT: RAITANO, ARTHUR  
; APPLICANT: CHALLITA-EID, PIA  
; APPLICANT: PARIS, MARY  
; APPLICANT: HUBERT, RENE  
; APPLICANT: GE, WANGMAO  
; APPLICANT: JAKOBOVITZ, AYA  
; TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED  
; FILE REFERENCE: 193PIE1B USEFUL IN TREATMENT AND DETECTION OF CANCER  
; CURRENT APPLICATION NUMBER: US/10/013,312  
; CURRENT FILING DATE: 2002-05-30

/ NUMBER OF SEQ ID NOS: 3005  
/ SOFTWARE: PatentIn Ver. 2.1  
/ SEQ ID NO 127  
/ LENGTH: 9  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
US-10-013-312-127

Query Match 37.5%; Score 27; DB 12; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1e+06;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 6 VPGSKKFV 13  
|||  
Db 2 VPFSKRF 9

## RESULT 15

US-10-013-312-230  
/ Sequence 230 Application US/10013312  
/ Publication No. US20030223990A1  
/ GENERAL INFORMATION:  
/ APPLICANT: RAITANO, ARTHUR  
/ APPLICANT: CHALLITA-EID, PIA  
/ APPLICANT: FARIS, MARY  
/ APPLICANT: HUBERT, RENE  
/ APPLICANT: GE, WANGMAO  
/ APPLICANT: JAKOBOWITZ, AYA  
/ TITLE OF INVENTION: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED  
/ FILE REFERENCE: 51158-20063.00  
/ CURRENT APPLICATION NUMBER: US/10/013,312  
/ CURRENT FILING DATE: 2002-05-30  
/ NUMBER OF SEQ ID NOS: 3005  
/ SOFTWARE: PatentIn Ver. 2.1  
/ SEQ ID NO 230  
/ LENGTH: 9  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
US-10-013-312-230

Query Match 37.5%; Score 27; DB 12; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1e+06;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 6 VPGSKKFV 13  
|||  
Db 1 VPFSKRF 8

Search completed: April 29, 2004, 10:34:09  
Job time : 30.85 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-12

Perfect score: 87

Sequence: 1 GRXDCTEAFSTAWQA 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*
- 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*
- 3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/2/iaa/PCUTS\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	42	48.3	7	3	US-08-467-023-154
2	39	44.8	7	3	US-08-467-023-157
3	34	39.1	15	4	US-09-914-259-86
4	30	34.5	11	1	US-08-277-660A-17
5	30	34.5	11	1	US-08-424-957-30
6	30	34.5	11	3	US-09-035-886-30
7	29	33.3	9	4	US-09-402-641-5
8	29	33.3	11	1	US-08-277-660A-13
9	29	33.3	11	1	US-08-277-660A-20
10	29	33.3	11	1	US-08-424-957-26
11	29	33.3	11	1	US-08-424-957-33
12	29	33.3	11	3	US-09-035-886-26
13	29	33.3	11	3	US-09-035-886-33
14	28	32.2	10	2	US-08-482-528-121
15	28	32.2	10	3	US-08-482-528-121
16	27	31.0	9	1	US-08-318-970B-23
17	27	31.0	10	2	US-08-482-528-109
18	27	31.0	10	3	US-08-482-528-109
19	27	31.0	10	3	US-08-486-840-4
20	27	31.0	13	1	US-08-286-407A-4
21	27	31.0	13	2	US-08-892-544-4
22	26.5	30.5	12	4	US-09-618-259-15
23	26	29.9	10	6	5166318-4
24	26	29.9	10	6	5190919-39
25	26	29.9	11	1	US-08-277-660A-16
26	26	29.9	11	1	US-08-424-957-29
27	26	29.9	11	1	US-08-424-957-36

28	26	29.9	11	1	US-08-424-957-44	Sequence 44, Appl
29	26	29.9	11	3	US-09-035-886-29	Sequence 29, Appl
30	26	29.9	11	3	US-09-035-886-36	Sequence 36, Appl
31	26	29.9	11	3	US-09-035-886-44	Sequence 44, Appl
32	26	29.9	11	6	5190919-38	Patent No. 5190919
33	26	29.9	11	6	5190919-40	Patent No. 5190919
34	26	29.9	13	1	US-07-842-089E-13	Sequence 13, Appl
35	26	29.9	13	1	US-07-842-089E-19	Sequence 19, Appl
36	26	29.9	13	1	US-08-264-485-13	Sequence 13, Appl
37	26	29.9	13	1	US-08-264-485-19	Sequence 19, Appl
38	26	29.9	13	6	5185431-25	Patent No. 5185431
39	26	29.9	13	6	5190919-7	Patent No. 5190919
40	26	29.9	13	6	5190919-32	Patent No. 5190919
41	26	29.9	14	6	5190919-31	Sequence 7, Appl
42	26	29.9	15	2	US-08-694-579-7	Sequence 7, Appl
43	26	29.9	15	2	US-08-948-155-7	Sequence 7, Appl
44	26	29.9	15	3	US-09-280-047-6	Sequence 6, Appl
45	26	29.9	15	4	US-08-208-573B-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1  
US-08-467-023-154  
; Sequence 154, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Ekley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC Compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 154:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-154

Query Match 48.3%; Score 42; DB 3; Length 7;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 KXDCTEA 8  
DB 1 KXDCTEA 7

## RESULT 2

US-08-467-023-157

; Sequence 157, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian P.;  
; APPLICANT: Garman, Richard D.;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane B. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 157:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-157

Query Match 44.8%; Score 39; DB 3; Length 7;  
Best Local Similarity 100.0%; Pred. No. 3e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GKXDC 6  
DB 2 GKXDC 7

## RESULT 3

US-09-914-259-86

; Sequence 86, Application US/09914259  
; Patent No. 6495336  
; GENERAL INFORMATION:  
; APPLICANT: Makowski, Lee  
; APPLICANT: Hyman, Paul  
; APPLICANT: Williams, Mark  
; TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES  
; FILE REFERENCE: 8471-010-999  
; CURRENT APPLICATION NUMBER: US/09/914,259  
; CURRENT FILING DATE: 2000-11-21  
; NUMBER OF SEQ ID NOS: 180  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 86  
; LENGTH: 15  
; TYPE: PRI  
; ORGANISM: Escherichia coli  
; US-09-914-259-86

Query Match 39.1%; Score 34; DB 4; Length 15;  
Best Local Similarity 60.0%; Pred. No. 23;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 CTEAFSTAWQ 14  
DB 3 CTLAMEDAWQ 12

## RESULT 4

US-08-277-660A-17

; Sequence 17, Application US/08277660A  
; Patent No. 5702908  
; GENERAL INFORMATION:  
; APPLICANT: Picketsley, Steven M.  
; APPLICANT: Lane, David P.  
; TITLE OF INVENTION: Interruption of Binding of MDM2 and p53  
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/277,660A  
; FILING DATE: 20-JUL-1994  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dreger, Walter H.  
; REGISTRATION NUMBER: 24,190  
; REFERENCE/DOCKET NUMBER: A-60244/WHI  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299  
; INFORMATION FOR SEQ ID NO: 17:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear

US-08-277-660A-17

Query Match 34.5%; Score 30; DB 1; Length 11;  
Best Local Similarity 62.5%; Pred. No. 75;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14  
Db 3 ETFSDAWK 10

RESULT 5  
US-08-424-957-30  
; Sequence 30, Application US/08424957  
; Patent No. 5770377  
; GENERAL INFORMATION:  
; APPLICANT: Pickaley, Steven M.  
; TITLE OF INVENTION: Interruption of Binding of MDM2 and P53  
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/424,957  
; FILING DATE: 19-APR-1995  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/277,660  
; FILING DATE: 20-JUL-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dreger, Walter H.  
; REGISTRATION NUMBER: 24,190  
; REFERENCE/DOCKET NUMBER: A-61228/WH/D  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299  
; INFORMATION FOR SEQ ID NO: 30:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: unknown  
US-08-424-957-30

Query Match 34.5%; Score 30; DB 1; Length 11;  
Best Local Similarity 62.5%; Pred. No. 75;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14  
Db 3 ETFSDAWK 10

RESULT 6  
US-08-035-686-30  
; Sequence 30, Application US/09035686  
; Patent No. 6153391  
; GENERAL INFORMATION:  
; APPLICANT: Pickaley, Steven M.  
; TITLE OF INVENTION: Interruption of Binding of MDM2 and P53  
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400

; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/035,686  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/424,957  
; FILING DATE: 19-APR-1995  
; APPLICATION NUMBER: US 08/277,660  
; FILING DATE: 20-JUL-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dreger, Walter H.  
; REGISTRATION NUMBER: 24,190  
; REFERENCE/DOCKET NUMBER: A-61228/WH/D  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299  
; INFORMATION FOR SEQ ID NO: 30:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: unknown  
US-09-035-686-30

Query Match 34.5%; Score 30; DB 3; Length 11;  
Best Local Similarity 62.5%; Pred. No. 75;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14  
Db 3 ETFSDAWK 10

RESULT 7  
US-09-402-641-5  
; Sequence 5, Application US/09402641  
; Patent No. 6528619  
; GENERAL INFORMATION:  
; APPLICANT: BUERGLE, Markus  
; APPLICANT: GRAEFF, Heinrich  
; APPLICANT: KESSLER, Horst  
; APPLICANT: MAGDOLEN, Viktor Robert  
; APPLICANT: KOENIG, Bernhard  
; APPLICANT: KOPBITZ, Marcus  
; APPLICANT: RIEMER, Christoph  
; APPLICANT: SCHMITT, Manfred  
; APPLICANT: WEIDLE, Ulrich  
; APPLICANT: WILHELM, Olaf  
; TITLE OF INVENTION: INHIBITORS FOR UROKINASE RECEPTOR  
; FILE REFERENCE: Case 20367US  
; CURRENT APPLICATION NUMBER: US/09/402,641  
; CURRENT FILING DATE: 2000-01-10  
; PRIOR APPLICATION NUMBER: EP97106024.9  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: PCT/EP98/02178  
; PRIOR FILING DATE: 1998-04-14  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:Peptide 4,  
; OTHER INFORMATION: Figure 3B  
US-09-402-641-5

Query Match 33.3%; Score 29; DB 4; Length 9;  
Best Local Similarity 44.4%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 CTEAPSTAW 13  
| : ||| |  
DB 1 CNKYFSNCW 9

RESULT 8  
US-08-277-660A-13  
; Sequence 13, Application US/08277660A  
; Patent No. 5702908  
; GENERAL INFORMATION:  
; APPLICANT: Pickseley, Steven M.  
; APPLICANT: Lane, David P.  
; TITLE OF INVENTION: Interruption of Binding of MDM2 and P53  
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof  
; NUMBER OF SEQUENCES: 27

; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States  
; ZIP: 94111-4187

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/277.660A  
; FILING DATE: 20-JUL-1994

; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dreger, Walter H.  
; REGISTRATION NUMBER: 24,190  
; REFERENCE/DOCKET NUMBER: A-60244/WH/D  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
US-08-277-660A-13

Query Match 33.3%; Score 29; DB 1; Length 11;  
Best Local Similarity 62.5%; Pred. No. 1.1e+02;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14  
| : ||| |  
DB 3 EAFSDLWK 10

RESULT 9  
US-08-277-660A-20  
; Sequence 20, Application US/08277660A  
; Patent No. 5702908  
; GENERAL INFORMATION:  
; APPLICANT: Pickseley, Steven M.  
; APPLICANT: Lane, David P.  
; TITLE OF INVENTION: Interruption of Binding of MDM2 and P53  
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof

; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/277.660A  
; FILING DATE: 20-JUL-1994  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dreger, Walter H.  
; REGISTRATION NUMBER: 24,190  
; REFERENCE/DOCKET NUMBER: A-60244/WH/D  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
US-08-277-660A-20

Query Match 33.3%; Score 29; DB 1; Length 11;  
Best Local Similarity 55.6%; Pred. No. 1.1e+02;  
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 15  
| : ||| |  
DB 3 ETFSDLWKA 11

RESULT 10  
US-08-424-957-26  
; Sequence 26, Application US/08424957  
; Patent No. 5770377  
; GENERAL INFORMATION:  
; APPLICANT: Pickseley, Steven M.  
; APPLICANT: Lane, David P.  
; TITLE OF INVENTION: Interruption of Binding of MDM2 and P53  
; TITLE OF INVENTION: Protein and Therapeutic Application Thereof  
; NUMBER OF SEQUENCES: 50

; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States  
; ZIP: 94111-4187

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/424.957  
; FILING DATE: 19-APR-1995

; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/277,660  
; FILING DATE: 20-JUL-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dreger, Walter H.



/ REGISTRATION NUMBER: 24,190  
/ REFERENCE/DOCKET NUMBER: A-61228/WH  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (415) 781-1989  
/ TELEFAX: (415) 398-3249  
/ TELEX: 910 277299  
/ INFORMATION FOR SEQ ID NO: 26:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 11 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS:  
/ TOPOLOGY: unknown  
US-08-424-957-26

Query Match 33.3%; Score 29; DB 1; Length 11;  
Best Local Similarity 62.5%; Pred. No. 1.1e+02;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14  
DB 3 EAFSDLWK 10

RESULT 11  
US-08-424-957-33  
/ Sequence 33, Application US/08424957  
/ Patent No. 5770377  
/ GENERAL INFORMATION:  
/ APPLICANT: Picksley, Steven M.  
/ APPLICANT: Lane, David P.  
/ TITLE OF INVENTION: Interruption of Binding of MDM2 and P53  
/ TITLE OF INVENTION: Protein and Therapeutic Application Thereof  
/ NUMBER OF SEQUENCES: 50  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
/ STREET: Four Embarcadero Center, Suite 3400  
/ CITY: San Francisco  
/ STATE: California  
/ COUNTRY: United States  
/ ZIP: 94111-4187  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: Patent In Release #1.0, Version #1.30  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/424,957  
/ FILING DATE: 19-APR-1995  
/ CLASSIFICATION:  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: US 08/277,660  
/ FILING DATE: 20-JUL-1994  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Dreger, Walter H.  
/ REGISTRATION NUMBER: 24,190  
/ REFERENCE/DOCKET NUMBER: A-61228/WH  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (415) 781-1989  
/ TELEFAX: (415) 398-3249  
/ TELEX: 910 277299  
/ INFORMATION FOR SEQ ID NO: 33:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 11 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS:  
/ TOPOLOGY: unknown  
US-08-424-957-33

Query Match 33.3%; Score 29; DB 1; Length 11;  
Best Local Similarity 55.6%; Pred. No. 1.1e+02;  
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 7 EAFSTAWQA 15

Db 3 ETFSDLWKA 11

RESULT 12  
US-09-035-686-26  
/ Sequence 26, Application US/09035686  
/ Patent No. 6153391  
/ GENERAL INFORMATION:  
/ APPLICANT: Picksley, Steven M.  
/ APPLICANT: Lane, David P.  
/ TITLE OF INVENTION: Interruption of Binding of MDM2 and P53  
/ TITLE OF INVENTION: Protein and Therapeutic Application Thereof  
/ NUMBER OF SEQUENCES: 50  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
/ STREET: Four Embarcadero Center, Suite 3400  
/ CITY: San Francisco  
/ STATE: California  
/ COUNTRY: United States  
/ ZIP: 94111-4187  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: Patent In Release #1.0, Version #1.30  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/09/035,686  
/ FILING DATE:  
/ CLASSIFICATION:  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: US 08/424,957  
/ FILING DATE: 19-APR-1995  
/ APPLICATION NUMBER: US 08/277,660  
/ FILING DATE: 20-JUL-1994  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Dreger, Walter H.  
/ REGISTRATION NUMBER: 24,190  
/ REFERENCE/DOCKET NUMBER: A-61228/WH  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (415) 781-1989  
/ TELEFAX: (415) 398-3249  
/ TELEX: 910 277299  
/ INFORMATION FOR SEQ ID NO: 26:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 11 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS:  
/ TOPOLOGY: unknown  
US-09-035-686-26

Query Match 33.3%; Score 29; DB 3; Length 11;  
Best Local Similarity 62.5%; Pred. No. 1.1e+02;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 EAFSTAWQ 14  
DB 3 EAFSDLWK 10

RESULT 13  
US-09-035-686-33  
/ Sequence 33, Application US/09035686  
/ Patent No. 6153391  
/ GENERAL INFORMATION:  
/ APPLICANT: Picksley, Steven M.  
/ APPLICANT: Lane, David P.  
/ TITLE OF INVENTION: Interruption of Binding of MDM2 and P53  
/ TITLE OF INVENTION: Protein and Therapeutic Application Thereof  
/ NUMBER OF SEQUENCES: 50  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
/ STREET: Four Embarcadero Center, Suite 3400

CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/035,686  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/424,957  
FILING DATE: 19-APR-1995  
APPLICATION NUMBER: US 08/277,660  
FILING DATE: 20-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Dregger, Walter H.  
REGISTRATION NUMBER: 24,190  
REFERENCE/DOCKET NUMBER: A-61228/WH/D  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
US-09-035-686-33

Query Match 33.3%; Score 29; DB 3; Length 11;  
Best Local Similarity 55.6%; Pred. No. 1.1e+02;  
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 7 EAFSTAWQA 15  
Db 3 ETFSDLWKA 11

RESULT 14  
US-08-482-228-121  
Sequence 121, Application US/08482228  
Patent No. 5968753  
GENERAL INFORMATION:  
APPLICANT: Tseng-Law, Janet  
APPLICANT: Kobori, Joan A.  
APPLICANT: Al-Abdaly, Fahad A.  
APPLICANT: Guillermo, Roy  
APPLICANT: Helgerson, Sam L.  
APPLICANT: Deans, Robert J.  
TITLE OF INVENTION: POSITIVE AND POSITIVE/NEGATIVE CELL  
NUMBER OF SEQUENCES: 215  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Janice Guthrie, Ph.D.  
STREET: P.O. Box 15210  
CITY: Irvine  
STATE: California  
COUNTRY: USA  
ZIP: 92713-5210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/482,228  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Guthrie, Janice  
REGISTRATION NUMBER: 35,170  
REFERENCE/DOCKET NUMBER: IT-4630CIP4  
TELEPHONE: (714) 440-5353  
TELEFAX: (714) 553-1952  
INFORMATION FOR SEQ ID NO: 121:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
TOPOLOGY: circular  
MOLECULE TYPE: peptide  
US-08-482-228-121

ATTORNEY/AGENT INFORMATION:  
NAME: Guthrie, Janice  
REGISTRATION NUMBER: 35,170  
REFERENCE/DOCKET NUMBER: IT-4630CIP3  
TELEPHONE: (714) 440-5353  
TELEFAX: (714) 553-1952  
INFORMATION FOR SEQ ID NO: 121:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
TOPOLOGY: circular  
MOLECULE TYPE: peptide  
US-08-482-228-121

Query Match 32.2%; Score 28; DB 2; Length 10;  
Best Local Similarity 62.5%; Pred. No. 1.5e+02;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 4 DCTEAFST 11  
Db 1 DCTVEQFLT 8

RESULT 15  
US-08-482-528-121  
Sequence 121, Application US/08482528  
Patent No. 6017719  
GENERAL INFORMATION:  
APPLICANT: Tseng-Law, Janet  
APPLICANT: Kobori, Joan A.  
APPLICANT: Al-Abdaly, Fahad A.  
APPLICANT: Guillermo, Roy  
APPLICANT: Helgerson, Sam L.  
APPLICANT: Deans, Robert J.  
TITLE OF INVENTION: POSITIVE AND POSITIVE/NEGATIVE CELL  
NUMBER OF SEQUENCES: 215  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Janice Guthrie, Ph.D.  
STREET: P.O. Box 15210  
CITY: Irvine  
STATE: California  
COUNTRY: USA  
ZIP: 92713-5210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/482,528  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Guthrie, Janice  
REGISTRATION NUMBER: 35,170  
REFERENCE/DOCKET NUMBER: IT-4630CIP4  
TELEPHONE: (714) 440-5353  
TELEFAX: (714) 553-1952  
INFORMATION FOR SEQ ID NO: 121:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
TOPOLOGY: circular  
MOLECULE TYPE: peptide  
US-08-482-528-121

Query Match 32.2%; Score 28; DB 3; Length 10;  
Best Local Similarity 62.5%; Pred. No. 1.5e+02;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 4 DCTEAFST 11  
| | | | |  
Db 1 DCVEQFLT 8

Search completed: April 29, 2004, 09:27:31  
Job time : 11.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-12

Perfect score: 87

Sequence: 1 GKHDCTEAFSTAWQA 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
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12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*  
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16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	87	100.0	15 14 US-10-354-240-87	Sequence 87, Appl
2	58	66.7	15 14 US-10-354-240-86	Sequence 86, Appl
3	53	60.9	15 14 US-10-354-240-88	Sequence 88, Appl
4	34	39.1	15 14 US-10-354-240-85	Sequence 85, Appl
5	34	39.1	15 14 US-10-080-608A-86	Sequence 86, Appl
6	32	36.8	9 12 US-10-398-104-98	Sequence 98, Appl
7	32	36.8	11 12 US-10-398-104-238	Sequence 238, Appl
8	31	35.6	10 12 US-09-842-776A-28	Sequence 28, Appl
9	30	34.5	9 14 US-10-003-983B-14	Sequence 14, Appl
10	30	34.5	10 10 US-09-423-863-7	Sequence 7, Appl
11	30	34.5	10 10 US-09-423-863-8	Sequence 8, Appl
12	30	34.5	14 14 US-10-185-050-189	Sequence 189, Appl
13	29	33.3	9 13 US-10-053-200-5	Sequence 5, Appl
14	29	33.3	10 10 US-09-572-404B-1628	Sequence 1628, Ap
15	29	33.3	14 14 US-10-257-173-1	Sequence 1, Appl

Sequence 89, Appl  
Sequence 8, Appl  
Sequence 9, Appl  
Sequence 10, Appl  
Sequence 11, Appl  
Sequence 56, Appl  
Sequence 331, Appl  
Sequence 330, Appl  
Sequence 15, Appl  
Sequence 4, Appl  
Sequence 15, Appl  
Sequence 24, Appl  
Sequence 25, Appl  
Sequence 30, Appl  
Sequence 520, Appl  
Sequence 10, Appl  
Sequence 82, Appl  
Sequence 36, Appl  
Sequence 11, Appl  
Sequence 3189, Ap  
Sequence 3190, Ap  
Sequence 3189, Ap  
Sequence 3190, Ap  
Sequence 79, Appl  
Sequence 80, Appl  
Sequence 81, Appl  
Sequence 5, Appl  
Sequence 6, Appl  
Sequence 55, Appl

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US-09-854-385-391  
US-09-910-009A-390  
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US-10-461-787-15  
US-10-072-419-4  
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US-08-880-748-3190  
US-10-293-418-3189  
US-10-293-418-3190  
US-10-325-694-79  
US-10-325-694-80  
US-10-325-694-81  
US-09-126-559-5  
US-09-950-632-6  
US-09-952-680A-55

#### ALIGNMENTS

RESULT 1  
US-10-354-240-87  
; Sequence 87, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akimori  
; APPLICANT: Dalilki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dise  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JF97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 87  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 4  
US-10-354-240-87

Query Match 100.0%; Score 87; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 1.4e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GKHDCTEAFSTAWQA 15

Db 1 GKHDCTEAFSTAWQA 15

```
RESULT 2
US-10-354-240-86
; Sequence 86, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 86
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 3
US-10-354-240-86

Query Match 66.7%; Score 58; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.009;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GKHDCTEAFS 10
DB 6 GKHDCTEAFS 15

RESULT 3
US-10-354-240-88
; Sequence 88, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 88
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 5
US-10-354-240-88

Query Match 60.9%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.061;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 6 TEAFSTAWQA 15
DB 1 TEAFSTAWQA 10

RESULT 4
US-10-354-240-85
; Sequence 85, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 85
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 2
US-10-354-240-85

Query Match 39.1%; Score 34; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GKHC 5
DB 11 GKHC 15

RESULT 5
US-10-080-608A-86
; Sequence 86, Application US/10080608A
; Publication No. US20030198956A1
; GENERAL INFORMATION:
; APPLICANT: Makowski, Lee
; APPLICANT: Hyman, Paul
; APPLICANT: Williams, Mark
; TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
; FILE REFERENCE: 8471-010-999
; CURRENT APPLICATION NUMBER: US/10/080,608A
; CURRENT FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 86
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Escherichia coli
US-10-080-608A-86

Query Match 39.1%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 CTEAFSTAWQ 14
DB 3 CTEAFSTAWQ 12
```

```

RESULT 6
US-10-398-104-98
; Sequence 98, Application US/10398104
; Publication No. US20040047880A1
; GENERAL INFORMATION:
; APPLICANT: De Bolle, Xavier Thomas
; APPLICANT: Letesson, Jean-Jacques
; APPLICANT: Lobet, Yves
; APPLICANT: Mertens, Pascal Yvon
; APPLICANT: Poolman, Jan
; APPLICANT: Voet, Pierre
; TITLE OF INVENTION: COMPONENT FOR VACCINE
; FILE REFERENCE: B45242
; CURRENT APPLICATION NUMBER: US/10/398,104
; CURRENT FILING DATE: 2003-01-04
; PRIOR APPLICATION NUMBER: PCT/EP01/11409
; PRIOR FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: GB 0024200.8
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 352
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 98
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LOS peptide minotope sequence
US-10-398-104-98

Query Match      35.8%; Score 32; DB 12; Length 9;
Best Local Similarity 55.6%; Pred. No. 1.4e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      7 EAFSTAWQA 15
      :|||:|
Db      1 QAFDTSWTA 9

RESULT 7
US-10-398-104-238
; Sequence 238, Application US/10398104
; Publication No. US20040047880A1
; GENERAL INFORMATION:
; APPLICANT: De Bolle, Xavier Thomas
; APPLICANT: Letesson, Jean-Jacques
; APPLICANT: Lobet, Yves
; APPLICANT: Mertens, Pascal Yvon
; APPLICANT: Poolman, Jan
; APPLICANT: Voet, Pierre
; TITLE OF INVENTION: COMPONENT FOR VACCINE
; FILE REFERENCE: B45242
; CURRENT APPLICATION NUMBER: US/10/398,104
; CURRENT FILING DATE: 2003-01-04
; PRIOR APPLICATION NUMBER: PCT/EP01/11409
; PRIOR FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: GB 0024200.8
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 352
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 238
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LOS peptide minotope sequence
US-10-398-104-238

Query Match      36.8%; Score 32; DB 12; Length 11;
Best Local Similarity 55.6%; Pred. No. 1.4e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      7 EAFSTAWQA 15
      :|||:|
Db      1 QAFDTSWTA 9

RESULT 8
US-09-842-776A-28
; Sequence 28, Application US/09842776A
; Publication No. US20040023316A1
; GENERAL INFORMATION:
; APPLICANT: CONNEX GMBH
; TITLE OF INVENTION: NEW METHOD FOR DETECTING ACID-RESISTANT MICROORGANISMS
; FILE REFERENCE: 41735
; CURRENT APPLICATION NUMBER: US/09/842,776A
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: PCT/EP99/08212
; PRIOR FILING DATE: 1999-10-29
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Complementarity determining region (CDR1) of an
; OTHER INFORMATION: antibody heavy chain directed to a beta-urease
; OTHER INFORMATION: epitope (alternative sequence)
US-09-842-776A-28

Query Match      35.6%; Score 31; DB 12; Length 10;
Best Local Similarity 83.3%; Pred. No. 1.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      8 AFSTAW 13
      :|||:|
Db      3 AFSTSW 8

RESULT 9
US-10-003-983B-14
; Sequence 14, Application US/10003983B
; Publication No. US20030103946A1
; GENERAL INFORMATION:
; APPLICANT: Imperial College Innovations
; APPLICANT: Stauss, Hans Josef
; APPLICANT: Amrolia, Persis Jal
; TITLE OF INVENTION: Immunotherapeutic Methods and Molecules
; FILE REFERENCE: ICI 103
; CURRENT APPLICATION NUMBER: US/10/003,983B
; CURRENT FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 9
; TYPE: PRT
; ORGANISM: homo sapien
US-10-003-983B-14

Query Match      34.5%; Score 30; DB 14; Length 9;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      3 HDCTE 7
      :|||:|
Db      4 HDCTQ 8

RESULT 10
US-09-423-863-7
; Sequence 7, Application US/09423863
; Publication No. US20030054336A1
; GENERAL INFORMATION:
US-09-423-863-7

Query Match      36.8%; Score 32; DB 12; Length 11;
Best Local Similarity 55.6%; Pred. No. 1.4e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      7 EAFSTAWQA 15
      :|||:|
Db      1 QAFDTSWTA 9
```

APPLICANT: Donie, Frederic  
APPLICANT: Faatz, Elke  
APPLICANT: Hoess, Eva  
TITLE OF INVENTION: PROCESS FOR THE DETECTION OF HIV ANTIBODIES AND  
FILE REFERENCE: BMID 9974 4638/OP/US-Sz  
CURRENT APPLICATION NUMBER: US/09/423,863  
CURRENT FILING DATE: 2000-02-08  
EARLIER APPLICATION NUMBER: DE 19720914.9  
EARLIER FILING DATE: 1997-05-16  
EARLIER APPLICATION NUMBER: PCT/EP98/02816  
EARLIER FILING DATE: 1998-05-13  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 7  
LENGTH: 10  
TYPE: PRT  
ORGANISM: Human immunodeficiency virus type 1  
US-09-423-863-7

Query Match 34.5%; Score 30; DB 10; Length 10;  
Best Local Similarity 83.3%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GKHDCT 6  
||| ||  
Db 3 GKHCT 8

RESULT 11  
US-09-423-863-8  
Sequence 8, Application US/09423863  
Publication No. US20030054336A1  
GENERAL INFORMATION:  
APPLICANT: Donie, Frederic  
APPLICANT: Faatz, Elke  
APPLICANT: Hoess, Eva  
TITLE OF INVENTION: PROCESS FOR THE DETECTION OF HIV ANTIBODIES AND  
FILE REFERENCE: BMID 9974 4638/OP/US-Sz  
CURRENT APPLICATION NUMBER: US/09/423,863  
CURRENT FILING DATE: 2000-02-08  
EARLIER APPLICATION NUMBER: DE 19720914.9  
EARLIER FILING DATE: 1997-05-16  
EARLIER APPLICATION NUMBER: PCT/EP98/02816  
EARLIER FILING DATE: 1998-05-13  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 8  
LENGTH: 10  
TYPE: PRT  
ORGANISM: Human immunodeficiency virus type 1  
US-09-423-863-8

Query Match 34.5%; Score 30; DB 10; Length 10;  
Best Local Similarity 83.3%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GKHDCT 6  
||| ||  
Db 3 GKHCT 8

RESULT 12  
US-10-185-050-189  
Sequence 189, Application US/10185050  
Publication No. US2003007577A1  
GENERAL INFORMATION:  
APPLICANT: Pirozzi, Gregorio  
Kay, Brian K.  
Fowlkes, Dana M.  
TITLE OF INVENTION: IDENTIFICATION AND ISOLATION OF NOVEL  
POLYPEPTIDES HAVING WW DOMAINS AND METHODS OF USING SAME

NUMBER OF SEQUENCES: 233  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/185,050  
FILING DATE: 28-Jun-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/826,516  
FILING DATE: 03-Apr-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: MISROCK, S. LESLIE  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 1101-208-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 896-8864/9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 189:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 189:  
US-10-185-050-189

Query Match 34.5%; Score 30; DB 14; Length 14;  
Best Local Similarity 38.5%; Pred. No. 3.7e+02;  
Matches 5; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 GKHDCTEAFSTAW 13  
||| ||  
Db 1 GAHDSPPPYRYW 13

RESULT 13  
US-10-053-200-5  
Sequence 5, Application US/10053200  
Publication No. US20020170088A1  
GENERAL INFORMATION:  
APPLICANT: Wilkins, Thea A.  
APPLICANT: The Regents of the University of California  
TITLE OF INVENTION: No. US20020170088A1e1 Auxin Binding Proteins and Uses Thereof  
FILE REFERENCE: 023070-083310US  
CURRENT APPLICATION NUMBER: US/10/053,200  
CURRENT FILING DATE: 2001-11-02  
PRIOR APPLICATION NUMBER: US 60/245,816  
PRIOR FILING DATE: 2000-11-03  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 5  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: highly  
conserved region of ABP sequence  
US-10-053-200-5

Query Match 33.3%; Score 29; DB 13; Length 9;  
Best Local Similarity 50.0%; Pred. No. 1e+06;

Matches	4;	Conservative	1;	Mismatches	3;	Indels	0;	Gaps	0;
Qy	2	KHDCTEAF 9							
Db	2	RHSCEVF 9							

RESULT 14  
US-09-572-404B-1628  
; Sequence 1628, Application US/09572404B  
; Publication No. US20030078374A1  
; GENERAL INFORMATION:  
; APPLICANT: Proteom Ltd  
; TITLE OF INVENTION: Complementary peptide ligands from the human genome  
; FILE REFERENCE: Human patent  
; CURRENT APPLICATION NUMBER: US/09/572,404B  
; CURRENT FILING DATE: 2000-05-17  
; NUMBER OF SEQ ID NOS: 4203  
; SOFTWARE: ProtPatent version 1.0  
; SEQ ID NO 1628  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; OTHER INFORMATION: sequence located in NELL2 OR NRP2 at 101-110 and may interact with  
; OTHER INFORMATION: Sequence 1627 in this patent.  
US-09-572-404B-1628

Query Match 33.3%; Score 29; DB 10; Length 10;  
Best Local Similarity 57.1%; Pred. No. 3.9e+02;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy	1	GKHDCTE 7							
Db	1	GQHNCD 7							

RESULT 15  
US-10-257-173-1  
; Sequence 1, Application US/10257173  
; Publication No. US20030144237A1  
; GENERAL INFORMATION:  
; APPLICANT: D. Collen Research Foundation VZW  
; APPLICANT: Collen, D, sir,  
; APPLICANT: Carmeliet, Peter  
; APPLICANT: Anne, Angellillo-Scherer  
; TITLE OF INVENTION: Use of inhibition of a Gas6 function or of a Gas6  
; TITLE OF INVENTION: receptor for preventing and treating a cardiovascular  
; TITLE OF INVENTION: disease  
; FILE REFERENCE: C1784-PCI  
; CURRENT APPLICATION NUMBER: US/10/257,173  
; CURRENT FILING DATE: 2002-10-08  
; PRIOR APPLICATION NUMBER: GB 0009321,1  
; PRIOR FILING DATE: 2000-04-13  
; PRIOR APPLICATION NUMBER: EP 00203668,9  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: US 60/242,540  
; PRIOR FILING DATE: 2000-10-23  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(14)  
; OTHER INFORMATION: fragment of human Axl receptor tyrosine kinase NP\_068713  
; OTHER INFORMATION: (amino acids 438-451)  
US-10-257-173-1

Query Match 33.3%; Score 29; DB 14; Length 14;  
Best Local Similarity 50.0%; Pred. No. 5.4e+02;

Matches	6;	Conservative	0;	Mismatches	6;	Indels	0;	Gaps	0;
Qy	2	KHDCTEAFSTAW 13							
Db	2	KEPSTPAFSWPM 13							

Search completed: April 29, 2004, 10:34:09  
Job time : 30.85 secs





```
QY      4  VENGNAIPQ 12
Db      1  VPGGSATPQ 9

RESULT 2
US-09-187-859-178
; Sequence 178, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-178

Query Match      38.5%; Score 30; DB 4; Length 7;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2  FNVNNGN 8
Db      1  FNIDSGN 7

RESULT 3
US-09-187-859-1298
; Sequence 1298, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1298
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-1298

Query Match      38.5%; Score 30; DB 4; Length 7;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2  FNVNNGN 8
Db      1  FNIDSGN 7

RESULT 4
US-09-839-542B-178
; Sequence 178, Application US/09839542B
; Patent No. 6569936
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-178

Query Match      38.5%; Score 30; DB 4; Length 7;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2  FNVNNGN 8
Db      1  FNIDSGN 7

RESULT 5
US-09-839-542B-1298
; Sequence 1298, Application US/09839542B
; Patent No. 6569936
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1298
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-1298

Query Match      38.5%; Score 30; DB 4; Length 7;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2  FNVNNGN 8
Db      1  FNIDSGN 7

RESULT 6
US-09-187-859-179
; Sequence 179, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
```

```
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 179
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-179

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
       ||::||
Db      1 FNIDSG 7

RESULT 7
US-09-187-859-181
; Sequence 181, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-181

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
       ||::||
Db      1 FNIDSG 7

RESULT 8
US-09-187-859-1299
; Sequence 1299, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1299
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-1299

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
       ||::||
Db      2 FNIDSG 8

RESULT 9
US-09-187-859-1301
; Sequence 1301, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1301
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-1301

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
       ||::||
Db      2 FNIDSG 8

RESULT 10
US-09-839-542B-179
; Sequence 179, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 179
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-179

Query Match      38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENG 8
```

```
Db 1 FNIDSGN 7
|||||
RESULT 11
US-09-839-542B-181
; Sequence 181, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-181

Query Match 38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0;

QY 2 FNVENGN 8
|||
Db 2 FNIDSGN 8
|||||

RESULT 12
US-09-839-542B-1299
; Sequence 1299, Application US/09839542B
; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1299
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-1299

Query Match 38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0;

QY 2 FNVENGN 8
|||
Db 1 FNIDSGN 7
|||||

RESULT 13
US-09-839-542B-1301
; Sequence 1301, Application US/09839542B
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; Patent No. 6569996
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1301
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-839-542B-1301

Query Match 38.5%; Score 30; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0;

QY 2 FNVENGN 8
|||
Db 2 FNIDSGN 8
|||||

RESULT 14
US-09-187-859-182
; Sequence 182, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 182
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-182

Query Match 38.5%; Score 30; DB 4; Length 9;
Best Local Similarity 57.1%; Pred. No. 3e+05; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0;

QY 2 FNVENGN 8
|||
Db 2 FNIDSGN 8
|||||

RESULT 15
US-09-187-859-1089
; Sequence 1089, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
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; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1089
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-09-187-859-1089

Query Match      38.5%; Score 30; DB 4; Length 9;
Best Local Similarity 57.1%; Pred. No. 3e+05;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy      2 ENVENG 8
      ||::||
Db      2 FNIDSG 8

Search completed: April 29, 2004, 09:27:31
Job time : 12.85 secs

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RESULT 2
US-10-354-240-81
; Sequence 81, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103DI
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 81
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 67
US-10-354-240-81

Query Match          67.9%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 NGNATPOLTK 15
DB      1 NGNATPOLTK 10

RESULT 3
US-10-354-240-79
; Sequence 79, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103DI
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 65
US-10-354-240-79

Query Match          66.7%; Score 52; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 AFVNGNAT 10
DB      6 AFVNGNAT 15

RESULT 4
US-10-006-869-178
; Sequence 178, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-178

Query Match          38.5%; Score 30; DB 14; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVNGN 8
DB      1 FNIDSGN 7

RESULT 5
US-10-006-869-1298
; Sequence 1298, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1298
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-1298

Query Match          38.5%; Score 30; DB 14; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVNGN 8
DB      1 FNIDSGN 7

RESULT 6
US-10-006-869-1298
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US-10-395-032-178
; Sequence 178, Application US/10395032
; Publication No. US20030229199A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/395,032
; CURRENT FILING DATE: 2003-03-21
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-395-032-178

Query Match      38.5%; Score 30; DB 15; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENGN 8
Db      1 FNIDSGN 7

RESULT 7
US-10-395-032-1298
; Sequence 1298, Application US/10395032
; Publication No. US20030229199A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/395,032
; CURRENT FILING DATE: 2003-03-21
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1298
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-395-032-1298

Query Match      38.5%; Score 30; DB 15; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENGN 8
Db      1 FNIDSGN 7

RESULT 8
US-10-006-869-179
; Sequence 179, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0

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; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 179
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-179

Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENGN 8
Db      1 FNIDSGN 7

RESULT 9
US-10-006-869-181
; Sequence 181, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-181

Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06; Indels 0; Gaps 0;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVENGN 8
Db      2 FNIDSGN 8

RESULT 10
US-10-006-869-1299
; Sequence 1299, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0

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; SEQ ID NO 1299
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
US-10-006-869-1299
Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVNGN 8
Db      1 FNIDSGN 7

RESULT 11
US-10-006-869-1301
; Sequence 1301, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1301
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative cyclic modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-006-869-1301
Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVNGN 8
Db      2 FNIDSGN 8

RESULT 12
US-10-205-110-20
; Sequence 20, Application US/10205110
; Publication No. US20030144471A1
; GENERAL INFORMATION:
; APPLICANT: Jonassen, Ib
; APPLICANT: Egel-Mitani, Michi
; APPLICANT: Balschmidt, Per
; APPLICANT: Markussen, Jan
; APPLICANT: Diers, Ivan
; APPLICANT: Kjeldsen, Thomas Borglum
; TITLE OF INVENTION: Method for Making Acylated Polypeptides
; FILE REFERENCE: 6289.200-US
; CURRENT APPLICATION NUMBER: US/10/205,110
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: PA 2001 01141
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/310,793
; PRIOR FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
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; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-205-110-20
Query Match      38.5%; Score 30; DB 14; Length 8;
Best Local Similarity 52.5%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      5 ENGNATPQ 12
Db      1 EEGNTTPK 8

RESULT 13
US-10-395-032-179
; Sequence 179, Application US/10395032
; Publication No. US20030229199A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/395,032
; CURRENT FILING DATE: 2003-03-21
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 179
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-395-032-179
Query Match      38.5%; Score 30; DB 15; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      2 FNVNGN 8
Db      1 FNIDSGN 7

RESULT 14
US-10-395-032-181
; Sequence 181, Application US/10395032
; Publication No. US20030229199A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C9
; CURRENT APPLICATION NUMBER: US/10/395,032
; CURRENT FILING DATE: 2003-03-21
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Representative linear modulating agent based on
; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence
US-10-395-032-181
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Query Match 38.5%; Score 30; DB 15; Length 8;  
 Best Local Similarity 57.1%; Pred. No. 1e+06; 0; Indels 0; Gaps 0;  
 Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

CY 2 FNVENG 8  
 ||::||  
 Db 2 FNIDSGN 8

RESULT 15  
 US-10-395-032-1299  
 ; Sequence 1299, Application US/10395032  
 ; Publication No. US20030229199A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Blaschuk, Orselt W.  
 ; APPLICANT: Symonds, James Matthew  
 ; APPLICANT: Gour, Barbara J.  
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL  
 ; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS  
 ; FILE REFERENCE: 100086.407C9  
 ; CURRENT APPLICATION NUMBER: US/10/395,032  
 ; CURRENT FILING DATE: 2003-03-21  
 ; NUMBER OF SEQ ID NOS: 4052  
 ; SOFTWARE: PatentIn ver. 2.0  
 ; SEQ ID NO 1299  
 ; LENGTH: 8  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Representative cyclic modulating agent based on  
 ; OTHER INFORMATION: cadherin-6 cell adhesion recognition sequence  
 US-10-395-032-1299

Query Match 38.5%; Score 30; DB 15; Length 8;  
 Best Local Similarity 57.1%; Pred. No. 1e+06;  
 Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

CY 2 FNVENG 8  
 ||::||  
 Db 1 FNIDSGN 7

Search completed: April 29, 2004, 10:34:09  
 Job time : 31.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-9

Perfect score: 76  
Sequence: 1 YAISSNPTILSEG 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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1	29	38.2	10	3	US-08-619-557-8
2	29	38.2	15	1	US-08-408-604A-142
3	28	36.8	15	1	US-08-408-604A-136
4	27	35.5	8	2	US-08-340-283-87
5	27	35.5	11	3	US-09-051-934-30
6	27	35.5	11	3	US-09-051-934-42
7	27	35.5	12	3	US-09-051-934-9
8	27	35.5	14	1	US-08-408-604A-135
9	27	35.5	15	1	US-08-408-604A-134
10	27	35.5	15	1	US-08-408-604A-141
11	27	35.5	15	1	US-08-408-604A-143
12	26.5	34.9	11	3	US-09-051-934-5
13	26.5	34.9	11	3	US-09-051-934-44
14	26	34.2	12	1	US-07-743-613-1
15	26	34.2	12	6	5189147-16
16	26	34.2	14	4	US-09-383-062-16
17	26	34.2	15	2	US-08-765-179B-24
18	26	34.2	15	3	US-09-012-097A-19
19	25	32.9	8	1	US-08-148-910-11
20	25	32.9	8	1	US-08-448-937A-11
21	25	32.9	9	3	US-08-882-046-14
22	25	32.9	12	1	US-08-186-364-2
23	25	32.9	12	1	US-08-064-271-7
24	25	32.9	12	3	US-08-530-589A-7
25	25	32.9	12	4	US-09-599-781-7
26	25	32.9	12	4	US-09-832-161-26
27	25	32.9	13	3	US-08-466-368-13

Sequence 10, Appl  
Sequence 18, Appl  
Sequence 42, Appl  
Sequence 79, Appl  
Sequence 11, Appl  
Sequence 25, Appl  
Sequence 12, Appl  
Sequence 26, Appl  
Sequence 1, Appl  
Sequence 64, Appl  
Sequence 71, Appl  
Sequence 427, Appl  
Sequence 427, Appl  
Sequence 427, Appl  
Sequence 183, Appl  
Sequence 51, Appl  
Sequence 31, Appl

US-08-470-998-10  
US-08-328-500-18  
US-09-157-689-42  
US-09-647-372B-79  
US-09-553-800D-11  
US-09-553-800D-25  
US-09-553-800D-12  
US-09-553-800D-26  
US-08-666-473-1  
US-08-340-283-64  
US-08-340-283-71  
US-08-469-260A-427  
US-08-488-446-427  
US-08-467-344A-427  
US-08-836-561-51  
US-08-836-075A-183  
US-09-434-122-51  
US-09-206-059-31

## ALIGNMENTS

RESULT 1  
US-08-619-557-8  
; Sequence 8, Application US/08619557  
; Patent No. 6160087  
; GENERAL INFORMATION:  
; APPLICANT: Tomohiko OGAWA  
; TITLE OF INVENTION: PEPTIDES HAVING AN AMINO ACID SEQUENCE FROM THE FIBRIL PROTEIN OF PORPHYROMONAS GINGIVALIS AND THEIR USE  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wenderoth, Lind & Ponack  
; STREET: 805 Fifteenth Street, N.W., #700  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/619,557  
; FILING DATE: March 27, 1996  
; CLASSIFICATION: 424  
; PRIOR APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warren M. Cheek, Jr.  
; REGISTRATION NUMBER: 33,367  
; REFERENCE/DOCKET NUMBER:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-8850  
; TELEFAX:  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-619-557-8

Query Match 38.2%; Score 29; DB 3; Length 10;  
Best Local Similarity 60.0%; Pred.No. 73;  
Matches 6; Conservative 2; Mismatches 0; Gaps 0;  
QY 2 AIGSSNPTI 11

[illegible]

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Wootton, Thomas A.
; REGISTRATION NUMBER: 35,004
; REFERENCE/DOCKET NUMBER: 4828
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (616) 385-7914
; TELEFAX: (616) 385-6897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 87:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; US-08-340-283-87

Query Match 35.5%; Score 27; DB 2; Length 8;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GGSNP 9
DB 2 GGSSEP 7

RESULT 5
US-09-051-934-30
; Sequence 30, Application US/09051934C
; Patent No. 6028053
; GENERAL INFORMATION:
; APPLICANT: Van der Geer
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/051,934C
; CURRENT FILING DATE: 1998-04-22
; EARLIER FILING DATE: 60/011,799
; EARLIER FILING DATE: 1996-02-20
; EARLIER APPLICATION NUMBER: 60/010,384
; EARLIER FILING DATE: 1996-01-22
; EARLIER APPLICATION NUMBER: 60/005,944
; EARLIER FILING DATE: 1995-10-27
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
; LENGTH: 11
; TYPE: PRT
; ORGANISM: phosphotyrosine binding domain
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (8)_
; OTHER INFORMATION: Phosphorylated at Tyr
; US-09-051-934-30

Query Match 35.5%; Score 27; DB 3; Length 11;
Best Local Similarity 75.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 SSNPITLS 13
DB 3 SSNPETLS 10

RESULT 6
US-09-051-934-42
; Sequence 42, Application US/09051934C
; Patent No. 6028053
; GENERAL INFORMATION:
; APPLICANT: Van der Geer
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/051,934C
; CURRENT FILING DATE: 1998-04-22
; EARLIER FILING DATE: 60/011,799
; EARLIER FILING DATE: 1996-02-20
; EARLIER APPLICATION NUMBER: 60/010,384
; EARLIER FILING DATE: 1996-01-22
; EARLIER APPLICATION NUMBER: 60/005,944
; EARLIER FILING DATE: 1995-10-27
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
; LENGTH: 11
; TYPE: PRT
; ORGANISM: phosphotyrosine binding domain
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (8)_
; OTHER INFORMATION: Phosphorylated at Tyr
; US-09-051-934-30

Query Match 35.5%; Score 27; DB 3; Length 11;
Best Local Similarity 75.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 SSNPITLS 13
DB 3 SSNPETLS 10

RESULT 7
US-09-051-934-9
; Sequence 9, Application US/09051934C
; Patent No. 6028053
; GENERAL INFORMATION:
; APPLICANT: Van der Geer
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/051,934C
; CURRENT FILING DATE: 1998-04-22
; EARLIER FILING DATE: 60/011,799
; EARLIER FILING DATE: 1996-02-20
; EARLIER APPLICATION NUMBER: 60/010,384
; EARLIER FILING DATE: 1996-01-22
; EARLIER APPLICATION NUMBER: 60/005,944
; EARLIER FILING DATE: 1995-10-27
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 12
; TYPE: PRT
; ORGANISM: phosphotyrosine binding domain
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (8)_
; OTHER INFORMATION: Phosphorylated at Tyr in position number 8
; US-09-051-934-9

Query Match 35.5%; Score 27; DB 3; Length 12;
Best Local Similarity 75.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 SSNPITLS 13
DB 3 SSNPETLS 10

RESULT 8
US-08-408-604A-135
; Sequence 135, Application US/08408604A

```

Patent No. 5801149  
GENERAL INFORMATION:  
APPLICANT: Shoelson, Steven  
TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES  
NUMBER OF SEQUENCES: 211  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD  
STREET: 60 State Street, Suite 510  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109-1875  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/408,604A  
FILING DATE: 21-MAR-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/134,558  
FILING DATE: 08-OCT-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/959,949  
FILING DATE: 09-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/722,359  
FILING DATE: 19-JUNE-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Myers, Louis  
REGISTRATION NUMBER: 35,965  
REFERENCE/DOCKET NUMBER: JDP-014CP3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)227-7400  
TELEFAX: (617)227-5941  
INFORMATION FOR SEQ ID NO: 135:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-604A-135

Query Match 35.5%; Score 27; DB 1; Length 14;  
Best Local Similarity 75.0%; Pred. No. 2.4e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 6 SSNPFTLS 13  
Db 3 SSNPFTLS 10

RESULT 9  
US-08-604A-134  
Sequence 134, Application US/08408604A  
Patent No. 5801149  
GENERAL INFORMATION:  
APPLICANT: Shoelson, Steven  
TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES  
NUMBER OF SEQUENCES: 211  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD  
STREET: 60 State Street, Suite 510  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109-1875  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/408,604A  
FILING DATE: 21-MAR-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/134,558  
FILING DATE: 08-OCT-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/959,949  
FILING DATE: 09-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/722,359  
FILING DATE: 19-JUNE-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Myers, Louis  
REGISTRATION NUMBER: 35,965  
REFERENCE/DOCKET NUMBER: JDP-014CP3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)227-7400  
TELEFAX: (617)227-5941  
INFORMATION FOR SEQ ID NO: 134:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-408-604A-134

Query Match 35.5%; Score 27; DB 1; Length 15;  
Best Local Similarity 75.0%; Pred. No. 2.6e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 6 SSNPFTLS 13  
Db 4 SSNPFTLS 11

RESULT 10  
US-08-408-604A-141  
Sequence 141, Application US/08408604A  
Patent No. 5801149  
GENERAL INFORMATION:  
APPLICANT: Shoelson, Steven  
TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES  
NUMBER OF SEQUENCES: 211  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD  
STREET: 60 State Street, Suite 510  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109-1875  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/408,604A  
FILING DATE: 21-MAR-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/134,558  
FILING DATE: 08-OCT-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/959,949  
FILING DATE: 09-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/722,359  
FILING DATE: 19-JUNE-1991  
COMPUTER: IBM PC compatible

ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Louis  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: JDP-014CP3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617)227-7400  
 TELEFAX: (617)227-5941  
 INFORMATION FOR SEQ ID NO: 141:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 15 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FRAGMENT TYPE: internal  
 US-08-408-604A-141

Query Match 35.5%; Score 27; DB 1; Length 15;  
 Best Local Similarity 75.0%; Pred. No. 2.6e+02;  
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 SSNPITLS 13  
 Db 4 SSNPXELS 11

RESULT 11  
 US-08-408-604A-143  
 ; Sequence 143, Application US/08408604A  
 ; Patent No. 5801149  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoelson, Steven  
 ; TITLE OF INVENTION: INHIBITION OF SIGNAL TRANSDUCTION MOLECULES  
 ; NUMBER OF SEQUENCES: 211  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: LAHIVE & COCKFIELD  
 ; STREET: 60 State Street, Suite 510  
 ; CITY: Boston  
 ; STATE: Massachusetts  
 ; COUNTRY: USA  
 ; ZIP: 02109-1875  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/408,604A  
 ; FILING DATE: 21-MAR-1995  
 ; CLASSIFICATION: 514  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/134,558  
 ; FILING DATE: 08-OCT-1993  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/959,949  
 ; FILING DATE: 09-OCT-1992  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/722,359  
 ; FILING DATE: 19-JUNE-1991  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Myers, Louis  
 ; REGISTRATION NUMBER: 35,965  
 ; REFERENCE/DOCKET NUMBER: JDP-014CP3  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (617)227-7400  
 ; TELEFAX: (617)227-5941  
 ; INFORMATION FOR SEQ ID NO: 143:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 15 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; FRAGMENT TYPE: internal  
 US-08-408-604A-143

Query Match 35.5%; Score 27; DB 1; Length 15;  
 Best Local Similarity 75.0%; Pred. No. 2.6e+02;  
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 6 SSNPITLS 13  
 Db 4 SSNPXELS 11

RESULT 12  
 US-09-051-934-5  
 ; Sequence 5, Application US/09051934C  
 ; Patent No. 6028053  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Van der Geer  
 ; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain  
 ; TITLE OF INVENTION: Containing Protein  
 ; FILE REFERENCE:  
 ; CURRENT APPLICATION NUMBER: US/09/051,934C  
 ; CURRENT FILING DATE: 1998-04-22  
 ; EARLIER APPLICATION NUMBER: 60/011,799  
 ; EARLIER FILING DATE: 1996-02-20  
 ; EARLIER APPLICATION NUMBER: 60/010,384  
 ; EARLIER FILING DATE: 1996-01-22  
 ; EARLIER APPLICATION NUMBER: 60/005,944  
 ; EARLIER FILING DATE: 1995-10-27  
 ; NUMBER OF SEQ ID NOS: 60  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO 5  
 ; LENGTH: 11  
 ; TYPE: PRT  
 ; ORGANISM: phosphotyrosine binding domain  
 ; FEATURE:  
 ; NAME/KEY: MOD\_RES  
 ; LOCATION: (8)  
 ; OTHER INFORMATION: Phosphorylated at Tyr in position number 8  
 US-09-051-934-5

Query Match 34.9%; Score 26.5; DB 3; Length 11;  
 Best Local Similarity 61.5%; Pred. No. 2.2e+02;  
 Matches 8; Conservative 0; Mismatches 2; Indels 3; Gaps 1;

QY 1 YAIGSSNPITLS 13  
 Db 1 YAI--SNPEYLS 10

RESULT 13  
 US-09-051-934-44  
 ; Sequence 44, Application US/09051934C  
 ; Patent No. 6028053  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Van der Geer  
 ; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain  
 ; TITLE OF INVENTION: Containing Protein  
 ; FILE REFERENCE:  
 ; CURRENT APPLICATION NUMBER: US/09/051,934C  
 ; CURRENT FILING DATE: 1998-04-22  
 ; EARLIER APPLICATION NUMBER: 60/011,799  
 ; EARLIER FILING DATE: 1996-02-20  
 ; EARLIER APPLICATION NUMBER: 60/010,384  
 ; EARLIER FILING DATE: 1996-01-22  
 ; EARLIER APPLICATION NUMBER: 60/005,944  
 ; EARLIER FILING DATE: 1995-10-27  
 ; NUMBER OF SEQ ID NOS: 60  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO 44  
 ; LENGTH: 11  
 ; TYPE: PRT  
 ; ORGANISM: phosphotyrosine binding domain  
 ; FEATURE:  
 ; NAME/KEY: MOD\_RES

LOCATION: (8)  
OTHER INFORMATION: Phosphorylated at Tyr in position number 8  
US-09-051-934-44

Query Match 34.9%; Score 26.5; DB 3; Length 11;  
Best Local Similarity 61.5%; Pred. No. 2.2e+02;  
Matches 8; Conservative 0; Mismatches 2; Indels 3; Gaps 1;

QY 1 YAIIGSSNPITL 13  
||| ||| |||  
Db 1 YAI---SNPEYLS 10

RESULT 14  
US-07-743-613-1  
Sequence 1, Application US/07743613  
Patent No. 5783179  
GENERAL INFORMATION:  
APPLICANT: Nestor Jr., John J.  
APPLICANT: Ho, Teresa H.  
APPLICANT: Eppstein, Deborah A.  
APPLICANT: Felgner, Philip L.  
APPLICANT: Barina, Barbara P.  
APPLICANT: Deodhar, Sharad D.  
TITLE OF INVENTION: C-Reactive Protein Fragment with  
IMMUNOMODULATORY ACTIVITY  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Syntex (U. S. A.), Inc. Patent Law Dept.  
STREET: 3401 Hillview Ave.  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94303  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/743,613  
FILING DATE: 19910809  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Schmonsees, William  
REGISTRATION NUMBER: 31,796  
REFERENCE/DOCKET NUMBER: 27360  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-6593  
TELEFAX: 415-496-3529  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: AMINO ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
TOPOLOGY: T  
HYPOTHETICAL: NO  
FRAGMENT TYPE: internal  
US-07-743-613-1

Query Match 34.2%; Score 26; DB 1; Length 12;  
Best Local Similarity 40.0%; Pred. No. 2.9e+02;  
Matches 4; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 3 ICGSSNPITL 12  
:|:|:|:|:  
Db 3 LGGPFSPNVL 12

RESULT 15  
5189147-16  
Patent No. 5189147

APPLICANT: SAITO, HARUO; KRANZ, DAVID M.; ELSÉN, HERMAN N.;  
TONEGAWA, SUSUMU  
TITLE OF INVENTION: METEORODIMERIC T LYMPHOCYTE RECEPTOR  
ANTIBODY  
NUMBER OF SEQUENCES: 21  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/271,216  
FILING DATE: 14-NOV-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 666,988  
FILING DATE: 31-OCT-1984  
APPLICATION NUMBER: 620,122  
FILING DATE: 13-JUN-1984  
SEQ ID NO: 16;  
LENGTH: 12  
5189147-16

Query Match 34.2%; Score 26; DB 6; Length 12;  
Best Local Similarity 40.0%; Pred. No. 2.9e+02;  
Matches 4; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 3 ICGSSNPITL 12  
:|:|:|:|:  
Db 2 VGGGKTVTL 11

Search completed: April 29, 2004, 09:27:30  
Job time : 11.85 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-9

Perfect score: 76

Sequence: 1 YAIIGSSNPTILSEG 15

Scoring table: BLOSUM62

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Searched: 1138120 seqs, 277189581 residues

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Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

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- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	76	100.0	15	14	US-10-354-240-65
2	53	69.7	15	14	US-10-354-240-64
3	49	64.5	15	14	US-10-354-240-66
4	32	42.1	10	10	US-09-572-270A-956
5	32	42.1	14	10	US-09-300-425B-24
6	32	42.1	14	14	US-10-321-558-3
7	32	42.1	15	9	US-09-942-117-21
8	30	39.5	7	12	US-10-363-208-259
9	29	38.2	10	10	US-09-572-404B-2454
10	29	38.2	12	14	US-10-254-446A-227
11	29	38.2	13	16	US-10-432-422-130
12	29	38.2	15	12	US-10-682-420-76
13	29	38.2	15	12	US-10-682-420-77
14	29	38.2	15	16	US-10-409-613-75
15	29	38.2	15	16	US-10-409-613-77

16	27	35.5	10	14	US-10-022-066-554	Sequence 554, App
17	27	35.5	11	9	US-09-734-520-83	Sequence 83, Appl
18	27	35.5	11	13	US-10-012-034A-83	Sequence 83, Appl
19	27	35.5	13	14	US-10-253-532-50	Sequence 50, Appl
20	27	35.5	13	14	US-10-253-532-51	Sequence 51, Appl
21	27	35.5	15	14	US-10-354-240-63	Sequence 63, Appl
22	26	34.2	8	14	US-10-089-549-12	Sequence 12, Appl
23	26	34.2	10	10	US-09-572-404B-336	Sequence 336, App
24	26	34.2	10	10	US-09-572-404B-3614	Sequence 3614, Ap
25	26	34.2	10	10	US-09-572-404B-3616	Sequence 3616, Ap
26	26	34.2	10	10	US-09-572-404B-4166	Sequence 4166, Ap
27	26	34.2	10	10	US-09-572-404B-4167	Sequence 4167, Ap
28	26	34.2	10	10	US-09-572-404B-4168	Sequence 4168, Ap
29	26	34.2	10	10	US-09-572-404B-4169	Sequence 4169, Ap
30	26	34.2	10	10	US-09-572-404B-4170	Sequence 4170, Ap
31	26	34.2	10	10	US-09-572-270A-726	Sequence 726, App
32	26	34.2	10	10	US-09-573-822C-651	Sequence 651, App
33	26	34.2	10	12	US-09-881-636-216	Sequence 216, App
34	26	34.2	10	12	US-09-881-636-506	Sequence 506, App
35	26	34.2	10	12	US-09-881-636-601	Sequence 601, App
36	26	34.2	11	9	US-09-734-520-81	Sequence 81, Appl
37	26	34.2	11	13	US-10-012-034A-81	Sequence 81, Appl
38	26	34.2	14	9	US-09-839-884-16	Sequence 16, Appl
39	26	34.2	14	10	US-09-839-884-16	Sequence 16, Appl
40	26	34.2	14	12	US-10-362-249-18	Sequence 21, Appl
41	26	34.2	14	12	US-10-362-249-21	Sequence 21, Appl
42	26	34.2	14	14	US-10-057-789-60	Sequence 60, Appl
43	26	34.2	14	14	US-10-057-789-90	Sequence 90, Appl
44	26	34.2	14	14	US-10-212-628-60	Sequence 60, Appl
45	26	34.2	14	14	US-10-212-628-90	Sequence 90, Appl

#### ALIGNMENTS

##### RESULT 1

US-10-354-240-65  
; Sequence 65, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.11  
; SEQ ID NO 65  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 51  
US-10-354-240-65

Query Match 100.0%; Score 76; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. NO. 4.8e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YAIIGSSNPTILSEG 15

Db 1 YAIIGSSNPTILSEG 15

RESULT 2  
US-10-354-240-64  
; Sequence 64, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 64  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 50  
US-10-354-240-64

Query Match 69.7%; Score 53; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.038;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YAIGSSNPT 10  
Db 6 YAIGSSNPT 15

RESULT 3  
US-10-354-240-66  
; Sequence 66, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 66  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 52  
US-10-354-240-66

Query Match 64.5%; Score 49; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.18;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SSNPTILSEG 15  
Db 1 SSNPTILSEG 10

RESULT 4  
US-09-572-270A-956  
; Sequence 956, Application US/09572270A  
; Publication No. US20030148368A1  
; GENERAL INFORMATION:  
; APPLICANT: Proteom Ltd  
; TITLE OF INVENTION: Inter- complementary peptide listing  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/09/572,270A  
; CURRENT FILING DATE: 2000-05-17  
; NUMBER OF SEQ ID NOS: 1144  
; SOFTWARE: Protatent version 1.0  
; SEQ ID NO 956  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Arabidopsis Thaliana  
; OTHER INFORMATION: Sequence located in APP. at 427-436 and may interact with  
US-09-572-270A-956

Query Match 42.1%; Score 32; DB 10; Length 10;  
Best Local Similarity 70.0%; Pred. No. 88;  
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 3 IGGSSNPTIL 12  
Db 1 IGGSSNPTIL 10

RESULT 5  
US-09-300-425B-24  
; Sequence 24, Application US/09300425B  
; Publication No. US20030045681A1  
; GENERAL INFORMATION:  
; APPLICANT: NERI, Dario  
; APPLICANT: TARLI, Lorenzo  
; APPLICANT: VITTI, Francesca  
; TITLE OF INVENTION: SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY, CONJUGATES  
; TITLE OF INVENTION: CONTAINING THEM AND THERAPEUTIC METHOD FOR TREATMENT OF  
; TITLE OF INVENTION: ANGIOGENESIS  
; FILE REFERENCE: SCH-1733P1  
; CURRENT APPLICATION NUMBER: US/09/300,425B  
; CURRENT FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 09/075,338  
; PRIOR FILING DATE: 1998-05-11  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 24  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide formula  
US-09-300-425B-24

Query Match 42.1%; Score 32; DB 10; Length 14;  
Best Local Similarity 54.5%; Pred. No. 1.3e+02;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 4 GGSSNPTILSE 14  
Db 2 GGESAPTLTQ 12

RESULT 6  
US-10-321-558-3  
; Sequence 3, Application US/10321558

Publication No. US20030176663A1  
GENERAL INFORMATION:  
APPLICANT: NERI, DARIO  
APPLICANT: TARLI, LORENZO  
APPLICANT: VITI, FRANCESCA  
APPLICANT: BIRCHLER, MANFRED  
TITLE OF INVENTION: SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY  
FILE REFERENCE: NOTAR-1 C1  
CURRENT APPLICATION NUMBER: US/10/321,558  
CURRENT FILING DATE: 2002-12-18  
PRIOR APPLICATION NUMBER: 09/512,082  
PRIOR FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: 09/300,425  
PRIOR FILING DATE: 1999-04-28  
PRIOR APPLICATION NUMBER: 09/075,338  
PRIOR FILING DATE: 1998-05-11  
NUMBER OF SEQ ID NOS: 32  
SOFTWARE: Patent in Ver. 2.1  
SEQ ID NO 3  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
OTHER INFORMATION: peptide  
US-10-321-558-3

Query Match 42.1%; Score 32; DB 14; Length 14;  
Best Local Similarity 54.5%; Pred. No. 1.3e+02;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 4 GGSSNPTILSE 14  
||| ||| :  
Db 2 GGESAPTLTQ 12

## RESULT 7

US-09-942-117-21  
Sequence 21, Application US/09942117  
Publication No. US20020197700A1  
GENERAL INFORMATION:  
APPLICANT: MENRAD, ANDREAS  
APPLICANT: REDLITZ, ALEXANDER  
APPLICANT: KOPPLITZ, MARCUS  
APPLICANT: EGNER, URSULA  
APPLICANT: BAHR, INKE  
TITLE OF INVENTION: RECEPTOR OF THE EDB-FIBRONECTIN DOMAINS  
FILE REFERENCE: SCH-1832  
CURRENT APPLICATION NUMBER: US/09/942,117  
CURRENT FILING DATE: 2002-06-24  
PRIOR APPLICATION NUMBER: DE 10045803.3  
PRIOR FILING DATE: 2000-09-07  
PRIOR APPLICATION NUMBER: DE 10123133.4-41  
PRIOR FILING DATE: 2001-05-20  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: Patent in Ver. 2.1  
SEQ ID NO 21  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
OTHER INFORMATION: peptide  
US-09-942-117-21

Query Match 42.1%; Score 32; DB 9; Length 15;  
Best Local Similarity 54.5%; Pred. No. 1.4e+02;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 4 GGSSNPTILSE 14  
||| ||| :  
Db 4 GGESAPTLTQ 14

## RESULT 8

US-10-363-208-269  
Sequence 269, Application US/10363208  
Publication No. US20040048243A1  
GENERAL INFORMATION:  
APPLICANT: Board of Regents, The University of Texas System  
TITLE OF INVENTION: Methods and Compositions for In Vitro Targeting  
FILE REFERENCE: 005774.P005PCT  
CURRENT APPLICATION NUMBER: US/10/363,208  
CURRENT FILING DATE: 2003-03-07  
NUMBER OF SEQ ID NOS: 273  
SOFTWARE: Patent in version 3.1  
SEQ ID NO 269  
LENGTH: 7  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: (1)..(7)  
OTHER INFORMATION: synthetic construct  
US-10-363-208-269

Query Match 39.5%; Score 30; DB 12; Length 7;  
Best Local Similarity 83.3%; Pred. No. 1e+06;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 GGSSNP 9  
||| :  
Db 2 GGSANP 7

## RESULT 9

US-09-572-404B-2454  
Sequence 2454, Application US/09572404B  
Publication No. US20030078374A1  
GENERAL INFORMATION:  
APPLICANT: Proteom Ltd  
TITLE OF INVENTION: Complementary peptide ligands from the human genome  
FILE REFERENCE: Human patent  
CURRENT APPLICATION NUMBER: US/09/572,404B  
CURRENT FILING DATE: 2000-05-17  
NUMBER OF SEQ ID NOS: 4203  
SOFTWARE: ProPatent version 1.0  
SEQ ID NO 2454  
LENGTH: 10  
TYPE: PRT  
ORGANISM: Homo Sapiens  
FEATURE:  
OTHER INFORMATION: sequence located in Unknown at 21-30 and may interact with Sequ  
OTHER INFORMATION: in this patent.  
US-09-572-404B-2454

Query Match 38.2%; Score 29; DB 10; Length 10;  
Best Local Similarity 85.7%; Pred. No. 2.Be+02;  
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GGSSNPT 10  
||| :  
Db 4 GGSSNPT 10

## RESULT 10

US-10-254-446A-227  
Sequence 227, Application US/10254446A  
Publication No. US20030113714A1  
GENERAL INFORMATION:  
APPLICANT: Belcher, Angela M  
APPLICANT: Smalley, Richard E.  
APPLICANT: Ryan, Esther  
APPLICANT: Lee, Seung-Wuk  
TITLE OF INVENTION: BIOLOGICAL CONTROL OF NANOPARTICLES  
FILE REFERENCE: 119927-1066

```
; CURRENT APPLICATION NUMBER: US/10/254,446A
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/325,664
; PRIOR FILING DATE: 2001-09-28
; NUMBER OF SEQ ID NOS: 245
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 227
; LENGTH: 12
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: peptide with peptide binding sequence retrieved from phage biopar
US-10-254-446A-227

Query Match      38.2%; Score 29; DB 14; Length 12;
Best Local Similarity 60.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      4 GGSSNP 13
DB      1 GSHSNPTPLT 10

RESULT 11
US-10-432-422-130
; Sequence 130, Application US/10432422
; Publication No. US20040076981A1
; GENERAL INFORMATION:
; APPLICANT: Syngenta Participations AG
; APPLICANT: Cornell Research Foundation, Inc.
; APPLICANT: Yoder, Olen
; APPLICANT: Turgeon, Barbara G.
; APPLICANT: Lu, Shen-wen
; TITLE OF INVENTION: Fungal Iron Reductase Gene
; FILE REFERENCE: 1360.017W01
; CURRENT APPLICATION NUMBER: US/10/432,422
; CURRENT FILING DATE: 2003-05-21
; PRIOR APPLICATION NUMBER: US 60/252,732
; PRIOR FILING DATE: 2000-11-22
; PRIOR APPLICATION NUMBER: US 60/252,649
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 210
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 130
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Bacillus brevis
US-10-432-422-130

Query Match      38.2%; Score 29; DB 16; Length 13;
Best Local Similarity 71.4%; Pred. No. 3.8e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 YAIGSS 7
DB      2 YALGDS 8

RESULT 12
US-10-682-420-76
; Sequence 76, Application US/10682420
; Publication No. US20040062775A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, Andre
; APPLICANT: ALBINA, Emanuel
; APPLICANT: Le CANN, Pierre
; APPLICANT: BLANCHARD, Philippe
; APPLICANT: HUTET, Evelyne
; APPLICANT: ARNAULD, Claire
; APPLICANT: TRUONG, Catherine
; APPLICANT: MAHE, Dominique
; APPLICANT: CARIOLET, Roland
; APPLICANT: MADEC, Francois
```

```
; TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS
; FILE REFERENCE: 065691/0176
; CURRENT APPLICATION NUMBER: US/10/682,420
; CURRENT FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: US/10/637,011
; PRIOR FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: US/09/514,245B
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: FR 97/15396
; PRIOR FILING DATE: 1997-12-05
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 76
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Type B PWD circovirus
US-10-682-420-76
```

```
Query Match      38.2%; Score 29; DB 12; Length 15;
Best Local Similarity 83.3%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      4 GGSSNP 9
DB      7 GGSSNP 12
```

```
RESULT 13
US-10-682-420-77
; Sequence 77, Application US/10682420
; Publication No. US20040062775A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, Andre
; APPLICANT: ALBINA, Emanuel
; APPLICANT: Le CANN, Pierre
; APPLICANT: BLANCHARD, Philippe
; APPLICANT: HUTET, Evelyne
; APPLICANT: ARNAULD, Claire
; APPLICANT: TRUONG, Catherine
; APPLICANT: MAHE, Dominique
; APPLICANT: CARIOLET, Roland
; APPLICANT: MADEC, Francois
; TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS
; FILE REFERENCE: 065691/0176
; CURRENT APPLICATION NUMBER: US/10/682,420
; CURRENT FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: US/10/637,011
; PRIOR FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: US/09/514,245B
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: FR 97/15396
; PRIOR FILING DATE: 1997-12-05
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 77
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Type B PWD circovirus
US-10-682-420-77
```

```
Query Match      38.2%; Score 29; DB 12; Length 15;
Best Local Similarity 83.3%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      4 GGSSNP 9
DB      3 GGSSNP 8
```

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RESULT 14
US-10-409-613-76
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Sequence 76, Application US/10409613  
Publication No. US20040076635A1  
GENERAL INFORMATION:  
APPLICANT: JESTIN, Andre  
APPLICANT: ALBINA, Emanuel  
APPLICANT: Le CANN, Pierre  
APPLICANT: BLANCHARD, Philippe  
APPLICANT: HUTET, Evelyne  
APPLICANT: ARNAULD, Claire  
APPLICANT: TRUONG, Catherine  
APPLICANT: MAHE, Dominique  
APPLICANT: CARIOLET, Roland  
APPLICANT: MADEC, Francois  
TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS  
TITLE OF INVENTION: DISEASE (PWD)  
FILE REFERENCE: 065691/0176  
CURRENT APPLICATION NUMBER: US/10/409,613  
CURRENT FILING DATE: 2003-04-09  
PRIOR APPLICATION NUMBER: US/09/514,245B  
PRIOR FILING DATE: 2000-02-28  
PRIOR APPLICATION NUMBER: FR 97/15396  
PRIOR FILING DATE: 1997-12-05  
NUMBER OF SEQ ID NOS: 170  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 76  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Type B PWD circovirus  
US-10-409-613-76

Query Match 38.2%; Score 29; DB 16; Length 15;  
Best Local Similarity 83.3%; Pred. No. 4.4e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GGSSNP 9  
Db 7 GGSSNP 12

RESULT 15  
US-10-409-613-77  
Sequence 77, Application US/10409613  
Publication No. US20040076635A1  
GENERAL INFORMATION:  
APPLICANT: JESTIN, Andre  
APPLICANT: ALBINA, Emanuel  
APPLICANT: Le CANN, Pierre  
APPLICANT: BLANCHARD, Philippe  
APPLICANT: HUTET, Evelyne  
APPLICANT: ARNAULD, Claire  
APPLICANT: TRUONG, Catherine  
APPLICANT: MAHE, Dominique  
APPLICANT: CARIOLET, Roland  
APPLICANT: MADEC, Francois  
TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS  
TITLE OF INVENTION: DISEASE (PWD)  
FILE REFERENCE: 065691/0176  
CURRENT APPLICATION NUMBER: US/10/409,613  
CURRENT FILING DATE: 2003-04-09  
PRIOR APPLICATION NUMBER: US/09/514,245B  
PRIOR FILING DATE: 2000-02-28  
PRIOR APPLICATION NUMBER: FR 97/15396  
PRIOR FILING DATE: 1997-12-05  
NUMBER OF SEQ ID NOS: 170  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 77  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Type B PWD circovirus  
US-10-409-613-77

Query Match 38.2%; Score 29; DB 16; Length 15;  
Best Local Similarity 83.3%; Pred. No. 4.4e+02;

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Job time : 30.85 secs

Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 4 GGSSNP 9  
Db 3 GGSSNP 8

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-8  
Perfect score: 78  
Sequence: 1 KSNKVTVAFNQPGPN 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*

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- 2: /cgn2\_6/ptodata/2/iaa/5B COMB.pap.\*
- 3: /cgn2\_6/ptodata/2/iaa/6A COMB.pap.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B COMB.pap.\*
- 5: /cgn2\_6/ptodata/2/iaa/PGTUS COMB.pap.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	65	83.3	13	3	US-08-467-023-235
2	65	83.3	15	3	US-08-467-023-235
3	65	83.3	15	3	US-08-467-023-255
4	53	67.9	14	3	US-08-467-023-247
5	53	67.9	15	3	US-08-467-023-245
6	30	38.5	9	4	US-09-454-204A-73
7	27	34.6	15	4	US-09-670-075A-3
8	26	33.3	15	5	PCT-US93-06751-53
9	25	32.1	11	1	US-08-477-727A-58
10	25	32.1	13	1	US-08-798-897-30
11	25	32.1	13	2	US-08-978-523-30
12	24	30.8	11	1	US-07-991-867B-48
13	24	30.8	11	2	US-08-544-332-48
14	24	30.8	11	4	US-09-370-861A-48
15	24	30.8	13	1	US-08-463-115-102
16	24	30.8	13	1	US-08-465-388-102
17	24	30.8	15	1	US-08-245-853-14
18	24	30.8	15	1	US-08-573-675-14
19	24	30.8	15	3	US-08-695-987-6
20	24	30.8	15	4	US-09-561-490E-16
21	24	30.8	15	4	US-09-421-238-6
22	24	30.8	15	4	US-09-004-014-6
23	24	30.8	15	5	PCT-US93-06751-51
24	23	29.5	6	1	US-08-343-943-2
25	23	29.5	6	5	PCT-US93-01669-48
26	23	29.5	11	2	US-08-737-371A-4
27	23	29.5	11	4	US-09-177-165A-1

Sequence 1, Appl  
Sequence 180, App  
Sequence 4, Appl  
Sequence 19, Appl  
Sequence 33, Appl  
Sequence 33, Appl  
Sequence 26, Appl  
Sequence 27, Appl  
Sequence 27, Appl  
Sequence 27, Appl  
Sequence 40, Appl  
Sequence 40, Appl  
Sequence 67, Appl  
Sequence 21, Appl  
Sequence 153, App  
Sequence 233, App  
Sequence 2, Appl  
Sequence 152, App

## ALIGNMENTS

RESULT 1  
US-08-467-023-235  
; Sequence 235, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bord, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 235:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 13 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-235

Query Match 83.3%; Score 65; DB 3; Length 13;  
Best Local Similarity 100.0%; Pred. No. 7.9e-06;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFG 13  
Db 1 KSMKVTVAFNQFG 13

RESULT 2

US-08-467-023-255  
Sequence 255, Application US/08467023  
Patent No. 6090386  
GENERAL INFORMATION:  
APPLICANT: Griffith, Irwin J.;  
APPLICANT: Pollock, Joanne;  
APPLICANT: Bond, Julian F.;  
APPLICANT: Garman, Richard D;  
APPLICANT: Kuo, Mei-Chang;  
APPLICANT: Yeung, Siu-mei H.;  
APPLICANT: Brauer, Andrew;  
APPLICANT: Exley, Mark A.;  
APPLICANT: Powers, Steven P.  
TITLE OF INVENTION: Allergenic Proteins And Peptides From  
TITLE OF INVENTION: Japanese Cedar Pollen  
NUMBER OF SEQUENCES: 261  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
STREET: 610 Lincoln St  
CITY: Waltham  
STATE: MA  
COUNTRY: USA  
ZIP: 02154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 255:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal

Query Match 83.3%; Score 65; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 9.3e-06;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFG 13  
Db 2 KSMKVTVAFNQFG 14

RESULT 3

US-08-467-023-256

Sequence 256, Application US/08467023  
Patent No. 6090386  
GENERAL INFORMATION:  
APPLICANT: Griffith, Irwin J.;  
APPLICANT: Pollock, Joanne;  
APPLICANT: Bond, Julian F.;  
APPLICANT: Garman, Richard D;  
APPLICANT: Kuo, Mei-Chang;  
APPLICANT: Yeung, Siu-mei H.;  
APPLICANT: Brauer, Andrew;  
APPLICANT: Exley, Mark A.;  
APPLICANT: Powers, Steven P.  
TITLE OF INVENTION: Allergenic Proteins And Peptides From  
TITLE OF INVENTION: Japanese Cedar Pollen  
NUMBER OF SEQUENCES: 261  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
STREET: 610 Lincoln St  
CITY: Waltham  
STATE: MA  
COUNTRY: USA  
ZIP: 02154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 256:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal

Query Match 83.3%; Score 65; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 9.3e-06;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFG 13  
Db 2 KSMKVTVAFNQFG 14

RESULT 4

US-08-467-023-247  
Sequence 247, Application US/08467023  
Patent No. 6090386  
GENERAL INFORMATION:  
APPLICANT: Griffith, Irwin J.;  
APPLICANT: Pollock, Joanne;  
APPLICANT: Bond, Julian F.;  
APPLICANT: Garman, Richard D;  
APPLICANT: Kuo, Mei-Chang;  
APPLICANT: Yeung, Siu-mei H.;  
APPLICANT: Brauer, Andrew;  
APPLICANT: Exley, Mark A.;

```

; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: June 6, 1995
; APPLICATION NUMBER: US/08/467,023
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 247:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-247

Query Match 67.9%; Score 53; DB 3; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0015;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQ 11
Db 1 KSMKVTVAFNQ 11

RESULT 5
US-08-467-023-245
; Sequence 245, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Wei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: June 6, 1995
; APPLICATION NUMBER: US/08/467,023
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 245:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-245

Query Match 67.9%; Score 53; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0016;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQ 11
Db 3 KSMKVTVAFNQ 13

RESULT 6
US-09-454-204A-73
; Sequence 73, Application US/09454204A
; Patent No. 6663871
; GENERAL INFORMATION:
; APPLICANT: McMichael, Andrew
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: Gilbert, Sarah C.
; APPLICANT: Schneider, Jorg
; APPLICANT: Plebanski, Magdalena
; APPLICANT: Hanke, Tomas
; APPLICANT: Smith, Geoffrey L.
; APPLICANT: Blanchard, Tom
; TITLE OF INVENTION: Methods and Reagents for Vaccination
; TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
; FILE REFERENCE: 2907.1000-000
; CURRENT APPLICATION NUMBER: US/09/454,204A
; CURRENT FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: GB 97 11957.2
; PRIOR FILING DATE: 1997-06-09
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
; US-09-454-204A-73

Query Match 38.5%; Score 30; DB 4; Length 9;
Best Local Similarity 62.5%; Pred. No. 3e+05;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 5 VTVAFNQF 12

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Qy      10 NQFGP 14
Db      3 NQFGP 7

RESULT 10
US-08-798-897-30
; Sequence 30, Application US/08798897
; Patent No. 5789201
; GENERAL INFORMATION:
; APPLICANT: Guastella, John
; TITLE OF INVENTION: Genes Coding For Bcl-y, a Bcl-2
; TITLE OF INVENTION: Homologue
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 New York Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/798,897
; FILING DATE: February 11, 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 1483.0140001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-798-897-30

Query Match      32.1%; Score 25; DB 1; Length 13;
Best Local Similarity 71.4%; Pred. No. 2.3e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      7 VAFNQFG 13
Db      6 VAPPEFG 12

RESULT 11
US-08-798-897-30
; Sequence 30, Application US/087988523
; Patent No. 5883229
; GENERAL INFORMATION:
; APPLICANT: Guastella, John
; TITLE OF INVENTION: Genes Coding For Bcl-y, a Bcl-2
; TITLE OF INVENTION: Homologue
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 New York Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/991,867B
; FILING DATE: 12-DEC-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 92/14818
; FILING DATE: 12-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,685
; FILING DATE: 30-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/657,584
; FILING DATE: 19-FEB-1991
; ATTORNEY/AGENT INFORMATION:

```

```

; NAME: Saliwanchik, David R.
; REGISTRATION NUMBER: 31,794
; REFERENCE/DOCKET NUMBER: UF114.C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 904-375-8100
; TELEFAX: 904-372-5800
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-07-991-867B-48

Query Match 30.8%; Score 24; DB 1; Length 11;
Best Local Similarity 44.4%; Pred. No. 2.9e+02;
Matches 4; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 KSMKVTVP 9
DB 1 KSVNIAVSF 9

RESULT 13
US-08-544-332-48
; Sequence 48, Application US/08544332
; Patent No. 5935777
; GENERAL INFORMATION:
; APPLICANT: Moyer, Richard W.
; APPLICANT: Hall, Richard L.
; APPLICANT: Gruidl, Michael E.
; TITLE OF INVENTION: No. 5935777e1 Entomopoxvirus Expression System
; NUMBER OF SEQUENCES: 77
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gerard H. Bencen
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: USA
; ZIP: 32606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/544,332
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,867
; FILING DATE: 07-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/107,755
; FILING DATE: 19-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 92/14818
; FILING DATE: 12-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,685
; FILING DATE: 30-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/657,584
; FILING DATE: 19-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Bencen, Gerard H.
; REGISTRATION NUMBER: 35,746
; REFERENCE/DOCKET NUMBER: UF114.C4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 904-375-8100
; TELEFAX: 904-372-5800
; INFORMATION FOR SEQ ID NO: 48:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-544-332-48

Query Match 30.8%; Score 24; DB 2; Length 11;
Best Local Similarity 44.4%; Pred. No. 2.9e+02;
Matches 4; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 KSMKVTVP 9
DB 1 KSVNIAVSF 9

RESULT 14
US-09-370-861A-48
; Sequence 48, Application US/09370861A
; Patent No. 6410221
; GENERAL INFORMATION:
; APPLICANT: Moyer, Richard W.
; APPLICANT: Hall, Richard L.
; APPLICANT: Gruidl, Michael E.
; TITLE OF INVENTION: No. 6410221e1 Entomopoxvirus Expression System
; FILE REFERENCE: UF114.C4.D1
; CURRENT APPLICATION NUMBER: US/09/370,861A
; CURRENT FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: US 07/991,867
; PRIOR FILING DATE: 1992-12-07
; PRIOR APPLICATION NUMBER: US 08/107,755
; PRIOR FILING DATE: 1993-08-19
; PRIOR APPLICATION NUMBER: WO 92/14818
; PRIOR FILING DATE: 1992-02-12
; PRIOR APPLICATION NUMBER: US 07/827,685
; PRIOR FILING DATE: 1992-01-30
; PRIOR APPLICATION NUMBER: US 07/657,584
; PRIOR FILING DATE: 1991-02-19
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; TYPE: PRT
; LENGTH: 11
; ORGANISM: Choristoneura biennis entomopoxvirus
; US-09-370-861A-48

Query Match 30.8%; Score 24; DB 4; Length 11;
Best Local Similarity 44.4%; Pred. No. 2.9e+02;
Matches 4; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 KSMKVTVP 9
DB 1 KSVNIAVSF 9

RESULT 15
US-08-463-115-102
; Sequence 102, Application US/08463115
; Patent No. 5703221
; GENERAL INFORMATION:
; APPLICANT: WILLIAM JOHN MARTIN
; TITLE OF INVENTION: ISOLATED STEALTH VIRUSES
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Fastseq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,115
; FILING DATE: June 5, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below: Four
; APPLICATION NUMBER: 08/157,811
; FILING DATE: NO. 5703221ember 23, 1993
; APPLICATION NUMBER: 07/887,502
; FILING DATE: May 22, 1992
; APPLICATION NUMBER: 07/704,814
; FILING DATE: May 23, 1991
; APPLICATION NUMBER: 07/763,039
; FILING DATE: September 20, 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 213/301
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 102:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-463-115-102

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Query Match 30.8%; Score 24; DB 1; Length 13;
Best Local Similarity 33.3%; Pred. No. 3.5e+02;
Matches 4; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
Qy 3 MKVTVAHQFGP 14
Db 1 MDVELSFDQYWP 12

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Search completed: April 29, 2004, 09:27:30  
Job time : 12.85 secs

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OM protein - protein search, using sw model  
Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.77% Million cell updates/sec

Title: US-09-308-027A-8  
Perfect score: 78  
Sequence: 1 KSMKVTVAFNQFGPN 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:  
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2: /cgn2\_6/prodata/2/pubaa/US07\_PUBCOMB.pep.\*  
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8: /cgn2\_6/prodata/2/pubaa/US08\_PUBCOMB.pep.\*  
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13: /cgn2\_6/prodata/2/pubaa/US10A\_PUBCOMB.pep.\*  
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16: /cgn2\_6/prodata/2/pubaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/prodata/2/pubaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/prodata/2/pubaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	78	100.0	15	US-10-354-240-9	Sequence 9, Appli
2	78	100.0	15	US-10-354-240-57	Sequence 57, Appl
3	78	100.0	15	US-10-354-240-158	Sequence 158, App
4	55	70.5	15	US-10-354-240-58	Sequence 58, Appl
5	48	61.5	15	US-10-354-240-56	Sequence 56, Appl
6	30	38.5	9	US-10-079-167-73	Sequence 73, Appl
7	30	38.5	15	US-10-354-240-59	Sequence 59, Appl
8	29	37.2	13	US-10-436-715-422	Sequence 422, App
9	26	33.3	7	US-10-360-522-11	Sequence 11, Appl
10	26	33.3	9	US-10-153-159-29	Sequence 29, Appl
11	26	33.3	9	US-10-153-159-30	Sequence 30, Appl
12	26	33.3	9	US-10-153-176-29	Sequence 29, Appl
13	26	33.3	9	US-10-153-176-30	Sequence 30, Appl
14	26	33.3	9	US-10-443-134A-29	Sequence 29, Appl
15	26	33.3	9	US-10-443-134A-30	Sequence 30, Appl

16	26	33.3	15	US-09-802-674-8	Sequence 8, Appli
17	25	32.1	11	US-09-948-747-3	Sequence 3, Appli
18	25	32.1	13	US-10-253-532-25	Sequence 25, Appl
19	25	32.1	13	US-10-253-532-26	Sequence 26, Appl
20	24	30.8	9	US-09-935-430-348	Sequence 348, App
21	24	30.8	9	US-10-277-292-348	Sequence 348, App
22	24	30.8	9	US-10-280-340-348	Sequence 348, App
23	24	30.8	10	US-09-573-822C-426	Sequence 426, App
24	24	30.8	10	US-09-935-430-191	Sequence 191, App
25	24	30.8	10	US-10-277-292-191	Sequence 191, App
26	24	30.8	10	US-10-280-340-191	Sequence 191, App
27	24	30.8	11	US-09-943-944E-1	Sequence 1, Appli
28	24	30.8	13	US-10-253-532-27	Sequence 27, Appl
29	24	30.8	15	US-10-013-312-2680	Sequence 2680, Ap
30	24	30.8	15	US-10-013-312-2737	Sequence 2737, Ap
31	24	30.8	15	US-10-013-312-2771	Sequence 2771, Ap
32	24	30.8	15	US-10-013-312-2838	Sequence 2838, Ap
33	24	30.8	15	US-10-211-069-16	Sequence 16, Appl
34	24	30.8	15	US-10-294-891-9	Sequence 9, Appli
35	23.5	30.1	10	US-09-780-053-278	Sequence 278, App
36	23.5	30.1	10	US-09-780-053-709	Sequence 709, App
37	23	29.5	8	US-10-283-423-175	Sequence 175, App
38	23	29.5	9	US-10-213-821-175	Sequence 43, Appl
39	23	29.5	9	US-09-780-053-43	Sequence 430, App
40	23	29.5	9	US-09-780-053-230	Sequence 317, App
41	23	29.5	9	US-09-809-638-17	Sequence 17, Appl
42	23	29.5	9	US-09-809-638-17	Sequence 335, App
43	23	29.5	9	US-09-809-638-335	Sequence 461, App
44	23	29.5	9	US-09-809-638-461	Sequence 4, Appli
45	23	29.5	9	US-10-219-288-4	

ALIGNMENTS

RESULT 1

US-10-354-240-9  
; Sequence 9, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akio  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dise  
; FILE REFERENCE: SPO-103DI  
; CURRENT APPLICATION NUMBER: 2003-01-29  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 9  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-10-354-240-9

Query Match 100.0%; Score 78; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 1.2e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFGPN 15

Db 1 KSMKVTVAFNQFGPN 15

RESULT 2

US-10-354-240-57  
; Sequence 57, Application US/10354240

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; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 57
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 43
US-10-354-240-57

Query Match      100.0%; Score 78; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 KSMKVTVAFNQFGPN 15
Db      1 KSMKVTVAFNQFGPN 15

RESULT 3
US-10-354-240-158
; Sequence 158, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 158
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row a
US-10-354-240-158

Query Match      100.0%; Score 78; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 KSMKVTVAFNQFGPN 15
Db      1 KSMKVTVAFNQFGPN 15

; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 57
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 43
US-10-354-240-57

Query Match      100.0%; Score 78; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 KSMKVTVAFNQFGPN 15
Db      1 KSMKVTVAFNQFGPN 15

; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 44
US-10-354-240-58

Query Match      70.5%; Score 55; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0022;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      6 TVAFNQFGPN 15
Db      1 TVAFNQFGPN 10

; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 56
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 42
US-10-354-240-56

Query Match      61.5%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.045;

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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAEN 10  
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Db 6 KSMKVTVAEN 15

RESULT 6  
US-10-079-167-73  
; Sequence 73, Application US/10079167  
; Publication No. US20030138454A1  
; GENERAL INFORMATION:  
; APPLICANT: Hill, Adrian V.S.  
; APPLICANT: McShane, Helen  
; APPLICANT: Gilbert, Sarah C.  
; APPLICANT: Reece, William  
; APPLICANT: Schneider, Joerg  
; TITLE OF INVENTION: Vaccination Method  
; FILE REFERENCE: 2907.1000-001  
; CURRENT FILING DATE: 2002-02-19  
; PRIOR FILING DATE: 2002-02-19  
; PRIOR APPLICATION NUMBER: US 09/454,204  
; PRIOR FILING DATE: 1999-12-09  
; PRIOR APPLICATION NUMBER: PCT/GB98/01681  
; PRIOR FILING DATE: 1998-06-09  
; PRIOR APPLICATION NUMBER: GB 97 11957.2  
; PRIOR FILING DATE: 1997-06-09  
; PRIOR APPLICATION NUMBER: PCT/GB01/04116  
; PRIOR FILING DATE: 2001-09-13  
; PRIOR APPLICATION NUMBER: GB 00 23203.3  
; PRIOR FILING DATE: 2001-09-21  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: Fast-Seq for Windows Version 4.0  
; SEQ ID NO 73  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP

US-10-079-167-73

Query Match 38.5%; Score 30; DB 14; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1e+06; 1; Indels 0; Gaps 0;  
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 5 VTVAENQF 12  
:|||||  
Db 1 INVAENRF 8

RESULT 7  
US-10-354-240-59  
; Sequence 59, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinozi  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JF97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 59  
; LENGTH: 15  
; TYPE: PRT

; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)...(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 45  
US-10-354-240-59

Query Match 38.5%; Score 30; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 99;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 QFGPN 15  
|||||  
Db 1 QFGPN 5

RESULT 8  
US-10-436-715-422  
; Sequence 422, Application US/10436715  
; Publication No. US20040018976A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,  
; FILE REFERENCE: D0262 NP  
; CURRENT FILING DATE: 2003-05-13  
; PRIOR APPLICATION NUMBER: US/10/436,715  
; PRIOR FILING DATE: 2003-05-13  
; PRIOR APPLICATION NUMBER: U.S. 60/380,336  
; PRIOR FILING DATE: 2002-05-14  
; NUMBER OF SEQ ID NOS: 471  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 422  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-436-715-422

Query Match 37.2%; Score 29; DB 15; Length 13;  
Best Local Similarity 55.6%; Pred. No. 1.3e+02;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 KSMKVTVAF 9  
:|||||  
Db 5 KSLKILLAF 13

RESULT 9  
US-10-360-522-11  
; Sequence 11, Application US/10360522  
; Publication No. US20030221215A1  
; GENERAL INFORMATION:  
; APPLICANT: Alleis, Josephus J.H.M.  
; APPLICANT: Vossen v.d., Edwin A.G.  
; TITLE OF INVENTION: NUCLEIC ACID ENCODING PRODUCT THAT PROVIDES PLANTS WITH  
; FILE REFERENCE: U 014413-9  
; CURRENT FILING DATE: 2003-02-07  
; PRIOR FILING DATE: 2003-02-07  
; PRIOR APPLICATION NUMBER: EP 02075565.8  
; PRIOR FILING DATE: 2002-02-08  
; PRIOR APPLICATION NUMBER: PCT/NL03/00091  
; PRIOR FILING DATE: 2003-02-07  
; NUMBER OF SEQ ID NOS: 63  
; SOFTWARE: Patent in Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: sequence which  
; OTHER INFORMATION: is relatively unique to Rpi-blb protein  
US-10-360-522-11

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Query Match      33.3%; Score 26; DB 15; Length 7;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 10 NQCPN 15
Db 1 NNFQPH 6

RESULT 10
US-10-153-159-29
; Sequence 29, Application US/10153159
; Publication No. US2002017170A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Caili
; TITLE OF INVENTION: STRUCTURE-BASED SELECTION AND AFFINITY MATURATION OF ANTIBODY LIB
; TITLE OF INVENTION: SILICO
; FILE REFERENCE: 26050-704
; CURRENT APPLICATION NUMBER: US/10/153,159
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: US 10/125,687
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: US 60/284,407
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-153-159-29

Query Match      33.3%; Score 26; DB 13; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 8 AFNOFG 13
Db 3 AFNRYG 8

RESULT 11
US-10-153-159-30
; Sequence 30, Application US/10153159
; Publication No. US2002017170A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Caili
; TITLE OF INVENTION: STRUCTURE-BASED SELECTION AND AFFINITY MATURATION OF ANTIBODY LIB
; TITLE OF INVENTION: SILICO
; FILE REFERENCE: 26050-704
; CURRENT APPLICATION NUMBER: US/10/153,159
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: US 10/125,687
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: US 60/284,407
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-153-159-30
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```
Query Match      33.3%; Score 26; DB 13; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 8 AFNOFG 13
Db 3 AFNRYG 8
```

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RESULT 12
US-10-153-176-29
; Sequence 29, Application US/10153176
; Publication No. US20030022240A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Caili
; APPLICANT: Cao, Yicheng
; APPLICANT: Li, Shengfeng
; APPLICANT: Liu, Shengjiang
; TITLE OF INVENTION: GENERATION AND AFFINITY MATURATION OF ANTIBODY LIBRARY IN SILICO
; FILE REFERENCE: 26050-701
; CURRENT APPLICATION NUMBER: US/10/153,176
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: US 10/125,687
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: US 60/284,407
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-153-176-29
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Query Match      33.3%; Score 26; DB 14; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 8 AFNOFG 13
Db 3 AFNRYG 8
```

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RESULT 13
US-10-153-176-30
; Sequence 30, Application US/10153176
; Publication No. US20030022240A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Caili
; APPLICANT: Cao, Yicheng
; APPLICANT: Li, Shengfeng
; APPLICANT: Liu, Shengjiang
; TITLE OF INVENTION: GENERATION AND AFFINITY MATURATION OF ANTIBODY LIBRARY IN SILICO
; FILE REFERENCE: 26050-701
; CURRENT APPLICATION NUMBER: US/10/153,176
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: US 10/125,687
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: US 60/284,407
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 9
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-153-176-30

Query Match      33.3%  Score 26;  DB 14;  Length 9;
Best Local Similarity 66.7%;  Pred. No. 1e+06;
Matches 4;  Conservative 2;  Mismatches 0;  Indels 0;  Gaps 0;

QY      8 AFNQFG 13
      |||::|
Db      3 AFNRYG 8

RESULT 14
US-10-443-134A-29
; Sequence 29, Application US/10443134A
; Publication No. US20040010376A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Caili
; APPLICANT: Cao, Yicheng
; APPLICANT: Liu, Shengjiang
; TITLE OF INVENTION: GENERATION AND SELECTION OF PROTEIN LIBRARY IN SILICO
; FILE REFERENCE: 26050-709
; CURRENT APPLICATION NUMBER: US/10/443,134A
; CURRENT FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2002-04-17
; PRIOR FILING DATE: 2001-04-17
; PRIOR FILING DATE: 2002-04-17
; PRIOR FILING DATE: 2002-05-20
; PRIOR FILING DATE: 2002-05-20
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-443-134A-29

Query Match      33.3%  Score 26;  DB 15;  Length 9;
Best Local Similarity 66.7%;  Pred. No. 1e+06;
Matches 4;  Conservative 2;  Mismatches 0;  Indels 0;  Gaps 0;

QY      8 AFNQFG 13
      |||::|
Db      3 AFNRYG 8

RESULT 15
US-10-443-134A-30
; Sequence 30, Application US/10443134A
; Publication No. US20040010376A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; APPLICANT: Hsieh, Mark
; APPLICANT: Zhong, Pingyu
; APPLICANT: Wang, Caili
; APPLICANT: Cao, Yicheng
; APPLICANT: Liu, Shengjiang
; TITLE OF INVENTION: GENERATION AND SELECTION OF PROTEIN LIBRARY IN SILICO
; FILE REFERENCE: 26050-709
; CURRENT APPLICATION NUMBER: US/10/443,134A
; CURRENT FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VH CDR1 Variant
US-10-443-134A-30

Query Match      33.3%  Score 26;  DB 15;  Length 9;
Best Local Similarity 66.7%;  Pred. No. 1e+06;
Matches 4;  Conservative 2;  Mismatches 0;  Indels 0;  Gaps 0;

QY      8 AFNQFG 13
      |||::|
Db      3 AFNRYG 8

Query Match      33.3%  Score 26;  DB 15;  Length 9;
Best Local Similarity 66.7%;  Pred. No. 1e+06;
Matches 4;  Conservative 2;  Mismatches 0;  Indels 0;  Gaps 0;

QY      8 AFNQFG 13
      |||::|
Db      3 AFNRYG 8

Search completed: April 29, 2004, 10:34:08
JOB time : 30.85 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-7

Perfect score: 86

Sequence: 1 LFFNHHKVMLLGHDD 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

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2: /cgn2\_6/prodata/2/iaa/5B\_COMB.pep:\*

3: /cgn2\_6/prodata/2/iaa/6A\_COMB.pep:\*

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5: /cgn2\_6/prodata/2/iaa/PCTUS\_COMB.pep:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	28	32.6	9	3	US-09-293-322C-11
2	28	32.6	9	4	US-09-839-497A-11
3	28	32.6	12	3	US-08-742-243-6
4	28	32.6	12	3	US-08-742-243-7
5	28	32.6	12	3	US-08-742-243-8
6	28	32.6	13	2	US-08-596-387B-23
7	28	32.6	13	4	US-09-367-615-23
8	28	32.6	13	5	PCT-US95-09816A-23
9	27	31.4	8	4	US-08-271-539-34
10	27	31.4	8	4	US-08-271-539-35
11	27	31.4	11	6	US-08-371-539-36
12	27	31.4	11	6	5219739-40
13	27	31.4	12	3	US-08-742-243-5
14	27	31.4	12	3	US-09-164-186-17
15	27	31.4	14	4	US-08-271-539-6
16	27	31.4	14	6	5219739-39
17	26	30.2	8	4	US-08-271-539-33
18	26	30.2	9	1	US-09-360-237-35
19	26	30.2	10	1	US-08-321-625-12
20	26	30.2	10	3	US-09-181-083-12
21	26	30.2	10	4	US-09-750-754-12
22	26	30.2	15	4	US-08-766-596A-62
23	25	29.1	6	2	US-08-623-833B-44
24	25	29.1	6	5	PCT-US94-01321-51
25	25	29.1	7	1	US-08-623-833B-46
26	25	29.1	8	2	US-08-366-779-8
27	25	29.1	8	1	US-08-789-936-8

28	25	29.1	8	2	US-08-831-570-5	Sequence 5, Appl
29	25	29.1	8	2	US-08-831-575-15	Sequence 15, Appl
30	25	29.1	8	4	US-08-934-254-8	Sequence 8, Appl
31	25	29.1	8	4	US-08-885-775-8	Sequence 8, Appl
32	25	29.1	9	3	US-09-188-579-97	Sequence 97, Appl
33	25	29.1	9	3	US-09-315-444-97	Sequence 97, Appl
34	25	29.1	9	3	US-09-293-322C-13	Sequence 13, Appl
35	25	29.1	9	3	US-09-293-322C-14	Sequence 14, Appl
36	25	29.1	9	4	US-09-721-362-97	Sequence 97, Appl
37	25	29.1	9	4	US-09-839-497A-13	Sequence 13, Appl
38	25	29.1	12	1	US-08-360-582-23	Sequence 23, Appl
39	25	29.1	12	2	US-08-623-833B-41	Sequence 41, Appl
40	25	29.1	12	5	PCT-US95-05471-23	Sequence 23, Appl
41	25	29.1	13	3	US-08-554-385-26	Sequence 26, Appl
42	25	29.1	13	5	PCT-US93-05647-13	Sequence 13, Appl
43	25	29.1	14	3	US-09-177-249-90	Sequence 90, Appl
44	25	29.1	15	4	US-09-019-346A-12	Sequence 12, Appl
45	25	29.1	15	4	US-09-050-739-86	Sequence 86, Appl

ALIGNMENTS

RESULT 1  
US-09-293-322C-11  
; Sequence 11, Application US/09293322C  
; Patent No. 6232110  
; GENERAL INFORMATION:  
; APPLICANT: Pallas, David C  
; APPLICANT: Du, Xianxing  
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,  
; Patent No. 6232110  
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods  
; FILE REFERENCE: 105-97  
; CURRENT APPLICATION NUMBER: US/09/293,322C  
; CURRENT FILING DATE: 1999-04-16  
; PRIOR APPLICATION NUMBER: US 60/082,202  
; PRIOR FILING DATE: 1998-04-17  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-293-322C-11

Query Match 32.6%; Score 28; DB 3; Length 9;  
Best Local Similarity 66.7%; Pred.No. 3e+05;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 VMLLQH 13  
Db 1 IMLIGH 6  
:|:|:|

RESULT 2  
US-09-839-497A-11  
; Sequence 11, Application US/09839497A  
; Patent No. 6528295  
; GENERAL INFORMATION:  
; APPLICANT: Pallas, David C.  
; APPLICANT: Du, Xianxing  
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,  
; Patent No. 6528295  
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods  
; FILE REFERENCE: Docket No. 6528295 105-97A  
; CURRENT APPLICATION NUMBER: US/09/839,497A  
; CURRENT FILING DATE: 2001-04-20  
; PRIOR APPLICATION NUMBER: 60/082,202  
; PRIOR FILING DATE: 1998-04-17  
; PRIOR APPLICATION NUMBER: 09/293,322  
; PRIOR FILING DATE: 1999-04-16  
; NUMBER OF SEQ ID NOS: 17

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-839-497A-11

Query Match      32.6%; Score 28; DB 4; Length 9;
Best Local Similarity 66.7%; Pred. No. 1.3e+05;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      8 VMLIGH 13
      :|||:
Db      1 IMLIGH 6

RESULT 3
US-08-742-243-6
; Sequence 6, Application US/08742243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07898/005001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
; OTHER INFORMATION: peptide fragment
US-08-742-243-6

Query Match      32.6%; Score 28; DB 3; Length 12;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      4 NHHKVM 9
      :|||:
Db      6 NHHEVV 11

RESULT 4
US-08-742-243-7
; Sequence 7, Application US/08742243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07898/005001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7

; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
; OTHER INFORMATION: peptide fragment
US-08-742-243-7

Query Match      32.6%; Score 28; DB 3; Length 12;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      4 NHHKVM 9
      :|||:
Db      2 NHHEVV 7

RESULT 5
US-08-742-243-8
; Sequence 8, Application US/08742243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07898/005001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
; OTHER INFORMATION: peptide fragment
US-08-742-243-8

Query Match      32.6%; Score 28; DB 3; Length 12;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      4 NHHKVM 9
      :|||:
Db      2 NHHEVV 7

RESULT 6
US-08-596-387B-23
; Sequence 23, Application US/08596387B
; Patent No. 5869270
; GENERAL INFORMATION:
; APPLICANT: Rhode, Peter R.
; APPLICANT: Gao, Jin-An
; APPLICANT: Burkhardt, Martin
; APPLICANT: Wong, Hing
; TITLE OF INVENTION: MHC COMPLEXES AND USES THEREOF
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESS: Dade International, Inc.
; STREET: 1717 Deerfield Road
; CITY: Deerfield
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60015
; COMPUTER READABLE FORM:
; 
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MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/596,387B  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/09816  
FILING DATE: 31-JUL-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/382,454  
FILING DATE: 01-FEB-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/283,302  
FILING DATE: 29-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Pearson, Louise S.  
REGISTRATION NUMBER: 32,369  
REFERENCE/DOCKET NUMBER: STR-4665-CIP2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (708) 267-5300  
TELEFAX: (708) 267-5376  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
US-08-596-387B-23

Query Match 32.6%; Score 28; DB 2; Length 13;  
Best Local Similarity 54.5%; Pred. No. 1.4e+02;  
Matches 6; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 HHKVMLLGHDD 15  
Db 1 HSLGKLGHDP 11

RESULT 7  
US-09-067-615-23  
Sequence 23, Application US/09067615  
Patent No. 6309645  
GENERAL INFORMATION:  
APPLICANT: Rhode, Peter R.  
APPLICANT: Jiao, Jin-An  
APPLICANT: Burkhardt, Martin  
APPLICANT: Wong, Hing  
TITLE OF INVENTION: MHC COMPLEXES AND USES THEREOF  
NUMBER OF SEQUENCES: 124  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dade International, Inc.  
STREET: 1717 Deerfield Road  
CITY: Deerfield  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60015  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/067,615  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/596,387  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/382,454

FILING DATE: 01-FEB-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/283,302  
FILING DATE: 29-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Pearson, Louise S.  
REGISTRATION NUMBER: 32,369  
REFERENCE/DOCKET NUMBER: STR-4665-CIP2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (708) 267-5300  
TELEFAX: (708) 267-5376  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
US-09-067-615-23

Query Match 32.6%; Score 28; DB 4; Length 13;  
Best Local Similarity 54.5%; Pred. No. 1.4e+02;  
Matches 6; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 HHKVMLLGHDD 15  
Db 1 HSLGKLGHDP 11

RESULT 8  
PCT-US95-09816A-23  
Sequence 23, Application PC/TUS9509816A  
GENERAL INFORMATION:  
APPLICANT: Wong, Hing C.  
APPLICANT: Rhode, Peter R.  
APPLICANT: Widanz, Jon A.  
APPLICANT: Grammer, Susan  
APPLICANT: Edwards, Ana C.  
APPLICANT: Chavallaz, Pierre-Andre  
APPLICANT: Jiao, Jin-An  
TITLE OF INVENTION: MHC COMPLEXES AND USES THEREOF  
NUMBER OF SEQUENCES: 123  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dade International, Inc.  
STREET: 1717 Deerfield Road  
CITY: Deerfield  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60015  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/09816A  
FILING DATE: 31-JUL-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/382,454  
FILING DATE: 01-FEB-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/283,302  
FILING DATE: 29-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Pearson, Louise S.  
REGISTRATION NUMBER: 32,369  
REFERENCE/DOCKET NUMBER: STR-4665-CIP2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (708) 267-5300  
TELEFAX: (708) 267-5376  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 amino acids

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;
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
PCT-US95-09816A-23

Query Match      32.4%; Score 28; DB 5; Length 13;
Best Local Similarity 54.5%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 5 HHKVMILGHDD 15
Db 1 HSLGKLGHDP 11

RESULT 9
US-08-271-539-34
; Sequence 34, Application US/08271539
; Patent No. 6358509
; GENERAL INFORMATION:
; APPLICANT: Ramanathan, Lata
; APPLICANT: Seelig, Gail F.
; APPLICANT: Trotta, Paul P.
; TITLE OF INVENTION: Antibody Antagonists of Human Interleukin-4
; FILE REFERENCE: JB0059KQ US
; CURRENT APPLICATION NUMBER: US/08/271,539
; CURRENT FILING DATE: 1994-07-07
; PRIOR APPLICATION NUMBER: US 07/453,570
; PRIOR FILING DATE: 1989-12-20
; PRIOR APPLICATION NUMBER: PCT/US90/07289
; PRIOR FILING DATE: 1990-12-18
; PRIOR APPLICATION NUMBER: US 07/859,689
; PRIOR FILING DATE: 1992-06-11
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: polypeptide
US-08-271-539-34

Query Match      31.4%; Score 27; DB 4; Length 8;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FPNHHK 7
Db 3 FYSHHE 8

RESULT 10
US-08-271-539-35
; Sequence 35, Application US/08271539
; Patent No. 6358509
; GENERAL INFORMATION:
; APPLICANT: Ramanathan, Lata
; APPLICANT: Seelig, Gail F.
; APPLICANT: Trotta, Paul P.
; TITLE OF INVENTION: Antibody Antagonists of Human Interleukin-4
; FILE REFERENCE: JB0059KQ US
; CURRENT APPLICATION NUMBER: US/08/271,539
; CURRENT FILING DATE: 1994-07-07
; PRIOR APPLICATION NUMBER: US 07/453,570
; PRIOR FILING DATE: 1989-12-20
; PRIOR APPLICATION NUMBER: PCT/US90/07289
; PRIOR FILING DATE: 1990-12-18
; PRIOR APPLICATION NUMBER: US 07/859,689
; PRIOR FILING DATE: 1992-06-11
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35

Query Match      31.4%; Score 27; DB 4; Length 8;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FPNHHK 7
Db 1 FYSHHE 6

RESULT 11
US-08-271-539-36
; Sequence 36, Application US/08271539
; Patent No. 6358509
; GENERAL INFORMATION:
; APPLICANT: Ramanathan, Lata
; APPLICANT: Seelig, Gail F.
; APPLICANT: Trotta, Paul P.
; TITLE OF INVENTION: Antibody Antagonists of Human Interleukin-4
; FILE REFERENCE: JB0059KQ US
; CURRENT APPLICATION NUMBER: US/08/271,539
; CURRENT FILING DATE: 1994-07-07
; PRIOR APPLICATION NUMBER: US 07/453,570
; PRIOR FILING DATE: 1989-12-20
; PRIOR APPLICATION NUMBER: PCT/US90/07289
; PRIOR FILING DATE: 1990-12-18
; PRIOR APPLICATION NUMBER: US 07/859,689
; PRIOR FILING DATE: 1992-06-11
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: polypeptide
US-08-271-539-36

Query Match      31.4%; Score 27; DB 4; Length 8;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FPNHHK 7
Db 2 FYSHHE 7

RESULT 12
US-08-271-539-37
; Sequence 37, Application US/08271539
; Patent No. 6358509
; GENERAL INFORMATION:
; APPLICANT: Ramanathan, Lata
; APPLICANT: Seelig, Gail F.
; APPLICANT: Trotta, Paul P.
; TITLE OF INVENTION: Antibody Antagonists of Human Interleukin-4
; FILE REFERENCE: JB0059KQ US
; CURRENT APPLICATION NUMBER: US/08/271,539
; CURRENT FILING DATE: 1994-07-07
; PRIOR APPLICATION NUMBER: US 07/453,570
; PRIOR FILING DATE: 1989-12-20
; PRIOR APPLICATION NUMBER: PCT/US90/07289
; PRIOR FILING DATE: 1990-12-18
; PRIOR APPLICATION NUMBER: US 07/859,689
; PRIOR FILING DATE: 1992-06-11
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
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; LENGTH: 11
5219739-40

Query Match          31.4%; Score 27; DB 6; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.7e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NHKV 8
   |||||
Db 7 NHKV 11

RESULT 13
US-08-742-243-5
; Sequence 5, Application US/08742243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07896/085001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
; OTHER INFORMATION: peptide fragment
US-08-742-243-5

Query Match          31.4%; Score 27; DB 3; Length 12;
Best Local Similarity 80.0%; Pred. No. 1.9e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NHKV 8
   |||||
Db 8 NHKV 12

RESULT 14
US-09-164-186-17
; Sequence 17, Application US/09164186
; Patent No. 6171590
; GENERAL INFORMATION:
; APPLICANT: Maureen, Howard
; APPLICANT: Deshpande, Shrikant
; APPLICANT: Ferlin, Walter
; APPLICANT: Arimilli, Subhashini
; APPLICANT: Anerg, Inc.
; TITLE OF INVENTION: Chemokine Receptor Peptide Vaccines for Treatment and
; PREVENTION OF AUTOIMMUNE DISEASES
; FILE REFERENCE: 014058-006100US
; CURRENT APPLICATION NUMBER: US/09/164,186
; CURRENT FILING DATE: 1998-09-30
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:proteolipid
; OTHER INFORMATION: protein (PLP) 139-151 peptide amidated at the C
;

; OTHER INFORMATION: terminus
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (12)
; OTHER INFORMATION: Xaa = phenylalaninamide
US-09-164-186-17

Query Match          31.4%; Score 27; DB 3; Length 12;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 HKVWLGHDD 15
   |||||
Db 1 HSLGWLGHDP 10

RESULT 15
US-08-271-539-6
; Sequence 6, Application US/08271539
; Patent No. 6358509
; GENERAL INFORMATION:
; APPLICANT: Ramanathan, Lata
; APPLICANT: Seelig, Gail F.
; APPLICANT: Trotta, Paul P.
; TITLE OF INVENTION: Antibody Antagonists of Human Interleukin-4
; FILE REFERENCE: J30059KQ US
; CURRENT APPLICATION NUMBER: US/08/271,539
; CURRENT FILING DATE: 1994-07-07
; PRIOR APPLICATION NUMBER: US 07/453,570
; PRIOR FILING DATE: 1989-12-20
; PRIOR APPLICATION NUMBER: PCT/US90/07289
; PRIOR FILING DATE: 1990-12-18
; PRIOR APPLICATION NUMBER: US 07/859,689
; PRIOR FILING DATE: 1992-06-11
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: polypeptide
US-08-271-539-6

Query Match          31.4%; Score 27; DB 4; Length 14;
Best Local Similarity 50.0%; Pred. No. 2.2e+02;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 FVNHK 7
   |||||
Db 4 FVSHK 9

Search completed: April 29, 2004, 09:27:29
Job time : 12.85 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027a-7

Perfect score: 86  
Sequence: 1 LFFNHHKVMLLGHDD 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:  
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15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	86	100.0	15	14 US-10-354-240-53	Sequence 53, Appl
2	56	65.1	15	14 US-10-354-240-52	Sequence 52, Appl
3	56	65.1	15	14 US-10-354-240-54	Sequence 54, Appl
4	30	34.9	15	14 US-10-354-240-51	Sequence 51, Appl
5	30	34.9	15	14 US-10-354-240-55	Sequence 55, Appl
6	28	32.6	9	9 US-09-839-497A-11	Sequence 11, Appl
7	28	32.6	9	14 US-10-354-698-11	Sequence 11, Appl
8	28	32.6	9	15 US-10-107-532-1259	Sequence 1259, Ap
9	28	32.6	9	15 US-10-107-532-1786	Sequence 1786, Ap
10	28	32.6	9	15 US-10-107-532-2270	Sequence 2270, Ap
11	28	32.6	9	15 US-10-107-532-2294	Sequence 2294, Ap
12	28	32.6	9	15 US-10-107-532-2854	Sequence 2854, Ap
13	28	32.6	9	15 US-10-107-532-4582	Sequence 4582, Ap
14	28	32.6	9	15 US-10-107-532-4644	Sequence 4644, Ap
15	28	32.6	9	15 US-10-107-532-4707	Sequence 4707, Ap

16	28	32.6	10	15	US-10-107-532-988	Sequence 988, App
17	28	32.6	10	15	US-10-107-532-1504	Sequence 1504, Ap
18	28	32.6	10	15	US-10-107-532-2021	Sequence 2021, Ap
19	28	32.6	10	15	US-10-107-532-2069	Sequence 2069, Ap
20	28	32.6	10	15	US-10-107-532-2559	Sequence 2559, Ap
21	28	32.6	10	15	US-10-107-532-2566	Sequence 2566, Ap
22	28	32.6	10	15	US-10-107-532-2613	Sequence 2613, Ap
23	28	32.6	10	15	US-10-107-532-3084	Sequence 3084, Ap
24	28	32.6	10	15	US-10-107-532-3654	Sequence 3654, Ap
25	28	32.6	10	15	US-10-107-532-5281	Sequence 5281, Ap
26	28	32.6	10	15	US-10-107-532-5294	Sequence 5294, Ap
27	28	32.6	10	15	US-10-107-532-5490	Sequence 5490, Ap
28	28	32.6	11	9	US-09-795-006A-128	Sequence 128, App
29	28	32.6	13	9	US-09-848-164-23	Sequence 23, Appl
30	28	32.6	13	9	US-09-900-379-23	Sequence 32, Appl
31	28	32.6	14	10	US-09-836-433-32	Sequence 314, App
32	28	32.6	14	15	US-10-137-867-314	Sequence 5936, Ap
33	28	32.6	15	15	US-10-107-532-5936	Sequence 5949, Ap
34	28	32.6	15	15	US-10-107-532-5949	Sequence 6008, Ap
35	28	32.6	15	15	US-10-107-532-6008	Sequence 6009, Ap
36	28	32.6	15	15	US-10-107-532-6021	Sequence 6021, Ap
37	28	32.6	15	15	US-10-107-532-6032	Sequence 6032, Ap
38	28	32.6	15	15	US-10-107-532-6032	Sequence 6069, Ap
39	28	32.6	15	15	US-10-107-532-6069	Sequence 6095, Ap
40	28	32.6	15	15	US-10-107-532-6095	Sequence 6102, Ap
41	28	32.6	15	15	US-10-107-532-6102	Sequence 6113, Ap
42	28	32.6	15	15	US-10-107-532-6113	Sequence 6114, Ap
43	28	32.6	15	15	US-10-107-532-6114	Sequence 113, App
44	27	31.4	10	9	US-09-734-520-113	Sequence 113, App
45	27	31.4	10	13	US-10-012-034A-113	Sequence 113, App

ALIGNMENTS

RESULT 1

US-10-354-240-53  
; Sequence 53, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dariki, Kazuo  
; APPLICANT: Iwama, Akiho  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 53  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 39  
US-10-354-240-53

Query Match 100.0%; Score 86; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.2e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LFFNHHKVMLLGHDD 15  
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Db 1 LFFNHHKVMLLGHDD 15  
| | | | | | | | | | | | | | |

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RESULT 2
US-10-354-240-52
; Sequence 52, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 52
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38
US-10-354-240-52
Query Match 65.1%; Score 56; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LFFNHHKVML 10
Db 6 LFFNHHKVML 15

RESULT 3
US-10-354-240-54
; Sequence 54, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 54
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 40
US-10-354-240-54
Query Match 65.1%; Score 56; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 6 HKVMLGHDD 15
Db 1 HKVMLGHDD 10

RESULT 4
US-10-354-240-51
; Sequence 51, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 51
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 37
US-10-354-240-51
Query Match 34.9%; Score 30; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LFFNHH 5
Db 11 LFFNHH 15

RESULT 5
US-10-354-240-55
; Sequence 55, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 55
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 41
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US-10-354-240-55

Query Match 34.9%; Score 30; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 LHDD 15  
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Db 1 LHDD 5

RESULT 6

US-09-839-497A-11  
; Sequence 11, Application US/09839497A  
; Patent No. US20020107374A1  
; GENERAL INFORMATION:  
; APPLICANT: Pallas, David C.  
; APPLICANT: Du, Xianxing  
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,  
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods  
; FILE REFERENCE: Pocket No. US20020107374A1 105-97A  
; CURRENT APPLICATION NUMBER: US/09/839,497A  
; CURRENT FILING DATE: 2001-04-20  
; PRIOR APPLICATION NUMBER: 60/082,202  
; PRIOR FILING DATE: 1998-04-17  
; PRIOR APPLICATION NUMBER: 09/293,322  
; PRIOR FILING DATE: 1999-04-16  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-839-497A-11

Query Match 32.8%; Score 28; DB 9; Length 9;  
Best Local Similarity 66.7%; Pred. No. 1e+06;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 VMLIGH 13  
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Db 1 IMLIGH 6

RESULT 7

US-10-354-698-11  
; Sequence 11, Application US/10354698  
; Publication No. US20030186416A1  
; GENERAL INFORMATION:  
; APPLICANT: Pallas, David C.  
; APPLICANT: Du, Xianxing  
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,  
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods  
; FILE REFERENCE: Pocket No. US20030186416A1 105-97B  
; CURRENT APPLICATION NUMBER: US/10/354,698  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: 60/082,202  
; PRIOR FILING DATE: 1998-04-17  
; PRIOR APPLICATION NUMBER: 09/293,322  
; PRIOR FILING DATE: 1999-04-16  
; PRIOR APPLICATION NUMBER: US/09/839,497  
; PRIOR FILING DATE: 2001-04-20  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-354-698-11

Query Match 32.8%; Score 28; DB 14; Length 9;  
Best Local Similarity 66.7%; Pred. No. 1e+06;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 8 VMLIGH 13  
:|||||  
Db 1 IMLIGH 6

RESULT 8

US-10-107-532-1259  
; Sequence 1259, Application US/10107532  
; Publication No. US20040003418A1  
; GENERAL INFORMATION:  
; APPLICANT: Agensys, Inc.  
; APPLICANT: Jakobovits, Aya  
; APPLICANT: Faris, Mary  
; APPLICANT: Morrison, Karen Jane Meyrick  
; APPLICANT: Morrison, Robert Kendall  
; APPLICANT: Hubert, Rene S.  
; APPLICANT: Afar, Daniel E.H.  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Raitano, Arthur  
; APPLICANT: Challita-Bid, Pia M.  
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein  
; TITLE OF INVENTION: Entitled 158P3D2 Useful in Treatment and Detection of Cancer  
; FILE REFERENCE: 51158-200064.00  
; CURRENT APPLICATION NUMBER: US/10/107,532  
; CURRENT FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: 60/283,112  
; PRIOR FILING DATE: 2001-04-10  
; PRIOR APPLICATION NUMBER: 60/286,630  
; PRIOR FILING DATE: 2001-04-25  
; NUMBER OF SEQ ID NOS: 6321  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1259  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-107-532-1259

Query Match 32.6%; Score 28; DB 15; Length 9;  
Best Local Similarity 50.0%; Pred. No. 1e+06;  
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 PFNEHK 7  
:|||||  
Db 4 FYSHR 9

RESULT 9

US-10-107-532-1786  
; Sequence 1786, Application US/10107532  
; Publication No. US20040003418A1  
; GENERAL INFORMATION:  
; APPLICANT: Agensys, Inc.  
; APPLICANT: Jakobovits, Aya  
; APPLICANT: Faris, Mary  
; APPLICANT: Morrison, Karen Jane Meyrick  
; APPLICANT: Morrison, Robert Kendall  
; APPLICANT: Hubert, Rene S.  
; APPLICANT: Afar, Daniel E.H.  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Raitano, Arthur  
; APPLICANT: Challita-Bid, Pia M.  
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein  
; TITLE OF INVENTION: Entitled 158P3D2 Useful in Treatment and Detection of Cancer  
; FILE REFERENCE: 51158-200064.00  
; CURRENT APPLICATION NUMBER: US/10/107,532  
; CURRENT FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: 60/283,112  
; PRIOR FILING DATE: 2001-04-10  
; PRIOR APPLICATION NUMBER: 60/286,630  
; PRIOR FILING DATE: 2001-04-25  
; NUMBER OF SEQ ID NOS: 6321  
; SOFTWARE: FastSeq for Windows Version 4.0  
US-10-107-532-1786



```

; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4582
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-4582

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Query Match 32.6%; Score 28; DB 15; Length 9;  
 Best Local Similarity 50.0%; Pred. No. 1e+06;  
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7  
 |::||:  
 Db 3 FYSHHR 8

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RESULT 14
US-10-107-532-4644
; Sequence 4644, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Paris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4644
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-4644

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Query Match 32.6%; Score 28; DB 15; Length 9;  
 Best Local Similarity 50.0%; Pred. No. 1e+06;  
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7  
 |::||:  
 Db 3 FYSHHR 8

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RESULT 15
US-10-107-532-4707
; Sequence 4707, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Paris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4707
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-4707

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Query Match 32.6%; Score 28; DB 15; Length 9;  
 Best Local Similarity 50.0%; Pred. No. 1e+06;  
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHK 7  
 |::||:  
 Db 2 FYSHHR 7

Search completed: April 29, 2004, 10:34:08  
 Job time : 30.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-6

Perfect score: 81

Sequence: 1 DALTLRTATNIWIDH 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*  
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2: /cgn2\_6/prodata/2/aa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/2/aa/6A\_COMB.pep:\*  
4: /cgn2\_6/prodata/2/aa/6B\_COMB.pep:\*  
5: /cgn2\_6/prodata/2/aa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/prodata/2/aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	28.5	35.2	14	4	US-09-443-199C-1230
2	28	34.6	5	3	US-08-981-122-77
3	27	33.3	8	1	US-08-271-830-74
4	27	33.3	10	4	US-08-135-319A-2
5	27	33.3	10	4	US-08-135-319A-3
6	26	32.1	13	3	US-08-526-136-17
7	26	32.1	15	1	US-08-218-025A-1
8	26	32.1	15	1	US-08-259-672-14
9	26	32.1	15	1	US-08-459-351-14
10	26	32.1	15	1	US-08-460-533-14
11	26	32.1	15	2	US-08-726-464B-30
12	26	32.1	15	5	PCT-US94-06654-14
13	25	30.9	8	3	US-09-068-051A-29
14	25	30.9	9	3	US-08-104-165-20
15	25	30.9	9	3	US-08-464-250-20
16	25	30.9	9	4	US-08-464-250-20
17	25	30.9	11	1	US-08-190-788A-281
18	25	30.9	14	4	US-09-443-199C-1229
19	25	30.9	15	1	US-08-190-788A-184
20	25	30.9	15	1	US-08-383-471B-187
21	25	30.9	15	1	US-08-465-391A-184
22	25	30.9	15	2	US-08-464-538B-184
23	25	30.9	15	2	US-08-463-076E-238
24	25	30.9	15	4	US-09-323-873A-331
25	25	30.9	15	4	US-09-428-082B-800
26	24	29.6	5	4	US-09-910-505B-27
27	24	29.6	6	2	US-08-660-747-31

28	24	29.6	6	2	US-08-660-747-62	Sequence 62, Appl
29	24	29.6	6	2	US-08-660-747-63	Sequence 63, Appl
30	24	29.6	7	4	US-09-084-603B-5	Sequence 5, Appl
31	24	29.6	7	4	US-08-135-319A-21	Sequence 21, Appl
32	24	29.6	8	3	US-09-082-279B-1509	Sequence 1509, Ap
33	24	29.6	8	4	US-09-315-304B-1863	Sequence 1663, Ap
34	24	29.6	8	4	US-09-834-784-1509	Sequence 1509, Ap
35	24	29.6	8	4	US-09-350-641C-1664	Sequence 1664, Ap
36	24	29.6	10	1	US-08-584-226-20	Sequence 20, Appl
37	24	29.6	11	1	US-08-277-660A-14	Sequence 14, Appl
38	24	29.6	11	1	US-08-424-957-27	Sequence 27, Appl
39	24	29.6	11	3	US-09-035-686-27	Sequence 2, Appl
40	24	29.6	11	3	US-09-184-938-2	Sequence 2, Appl
41	24	29.6	13	1	US-07-732-114A-13	Sequence 13, Appl
42	24	29.6	13	1	US-08-170-114A-13	Sequence 13, Appl
43	24	29.6	13	1	US-09-184-938-6	Sequence 6, Appl
44	24	29.6	14	2	US-08-764-640-34	Sequence 34, Appl
45	24	29.6	14	3	US-08-973-225-34	Sequence 34, Appl

ALIGNMENTS

RESULT 1

US-09-443-199C-1230  
; Sequence 1230, Application US/09443199C  
; Patent No. 6670464  
; GENERAL INFORMATION:  
; APPLICANT: Shimkets, Richard A.  
; APPLICANT: Leach, Martin  
; TITLE OF INVENTION: Nucleic Acids Containing Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms and Methods of Use Thereof  
; FILE REFERENCE: 15966-534A  
; CURRENT APPLICATION NUMBER: US/09/443,199C  
; PRIOR FILING DATE: 1999-11-16  
; PRIOR APPLICATION NUMBER: 60/109,024  
; PRIOR FILING DATE: 1998-11-17  
; NUMBER OF SEQ ID NOS: 1272  
; SOFTWARE: Curagen Patent Formatter Version 0.9  
; SEQ ID NO 1230  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (7)..(0)  
; OTHER INFORMATION: cSNP translation  
; NAME/KEY: misc\_feature  
; LOCATION: (0)...(0)  
; OTHER INFORMATION: Peptide 2 of 2 allelic variants (1229 is other peptide)  
US-09-443-199C-1230

Query Match 35.2%; Score 28.5; DB 4; Length 14;  
Best Local Similarity 60.0%; Pred.No. 73;  
Matches 6; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

QY 5 LRTATNIWID 14  
|||||.:|:  
Db 5 LRTA-EVWMD 13

RESULT 2

US-08-981-122-77  
; Sequence 77, Application US/08981122B  
; Patent No. 6127339  
; GENERAL INFORMATION:  
; APPLICANT: Hatanaka, Yoshihiro  
; APPLICANT: Arimoto, Masaharu  
; TITLE OF INVENTION: Peptide for binding thereto a low density lipoprotein  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/08/981,122B  
; CURRENT FILING DATE: 1997-12-18  
; PRIOR APPLICATION NUMBER: JP 7-176904



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RESULT 6
US-08-526-136-17
; Sequence 17, Application US/08526136
; Patent No. 6107089
; GENERAL INFORMATION:
; APPLICANT: Towle, Christine A. et al.
; TITLE OF INVENTION: ANNEXIN XI
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
; SOFTWARE: WordPerfect (Version 5.0)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/526,136
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/214,036
; FILING DATE:
; APPLICATION NUMBER: 07/837,775
; FILING DATE: February 13, 1992
; APPLICATION NUMBER: 07/764,465
; FILING DATE: September 23, 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Clark, Paul T.
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/099001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13
; TYPE: amino acid
; STRANDEDNESS: N/A
; TOPOLOGY: N/A
US-08-526-136-17
;
; Query Match 32.1%; Score 26; DB 3; Length 13;
; Best Local Similarity 50.0%; Pred. No. 1.9e+02;
; Matches 3; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 10 NIWIDH 15
Db 2 SIWVGH 7

RESULT 7
US-08-218-025A-1
; Sequence 1, Application US/08218025A
; Patent No. 5556744
; GENERAL INFORMATION:
; APPLICANT: Weiner, David B.
; APPLICANT: Ugen, Kenneth E.
; APPLICANT: Williams, William V.
; TITLE OF INVENTION: Methods and Compositions for Diagnosing
; TITLE OF INVENTION: and Treating Certain HIV Infected Patients
; NUMBER OF SEQUENCES: 197
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: P.O. Box 457, 321 No. 5556744-1stown Road
; CITY: Spring House
; STATE: Pennsylvania

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; COUNTRY: U.S.A.
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/218,025A
; FILING DATE: 24-MAR-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/891,451
; FILING DATE: 29-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: WST33A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 540-9206
; TELEFAX: (215) 540-5818
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-218-025A-1
;
; Query Match 32.1%; Score 26; DB 1; Length 15;
; Best Local Similarity 50.0%; Pred. No. 2.2e+02;
; Matches 3; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 10 NIWIDH 15
Db 7 NVWATH 12

RESULT 8
US-08-259-672-14
; Sequence 14, Application US/08259672
; Patent No. 5736337
; GENERAL INFORMATION:
; APPLICANT: Joseph Avtruch
; APPLICANT: Xian-feng Zhang
; APPLICANT: Mark S. Marshall
; TITLE OF INVENTION: INHIBITING PROTEIN
; TITLE OF INVENTION: INTERACTIONS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/259,672
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/077,256
; FILING DATE: June 11, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark, Esq.
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/234001
; TELECOMMUNICATION INFORMATION:

```

TELEPHONE: (617) 542-5070  
TELEFAX: (617) 542-8906  
TELEX: 200154  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-259-672-14

Query Match 32.1%; Score 26; DB 1; Length 15;  
Best Local Similarity 38.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 ALTLRTATNIWID 14  
||||: |::|  
DB 2 ALTIQLIQLNHFDV 14

RESULT 9  
US-08-459-351-14  
; Sequence 14, Application US/08459351  
; Patent No. 5763571  
; GENERAL INFORMATION:  
; APPLICANT: Joseph Avruch  
; APPLICANT: Xian-Feng Zhang  
; APPLICANT: Mark S. Marshall  
; TITLE OF INVENTION: INHIBITING PROTEIN INTERACTIONS  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: U.S.A.  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; COMPUTER: IBM PS/2 Model 502 or 55SX  
; OPERATING SYSTEM: MS-DOS (Version 5.0)  
; SOFTWARE: WordPerfect (Version 5.1)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/459,351  
; FILING DATE: June 2, 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/259,672  
; FILING DATE: June 10, 1994  
; APPLICATION NUMBER: 08/077,256  
; FILING DATE: June 11, 1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Paul T. Clark, Esq.  
; REGISTRATION NUMBER: 30,162  
; REFERENCE/DOCKET NUMBER: 00786/234003  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 542-5070  
; TELEFAX: (617) 542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; US-08-459-351-14

Query Match 32.1%; Score 26; DB 1; Length 15;  
Best Local Similarity 38.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 ALTLRTATNIWID 14  
||||: |::|

RESULT 10  
US-08-460-533-14  
; Sequence 14, Application US/08460533  
; Patent No. 5767075  
; GENERAL INFORMATION:  
; APPLICANT: Joseph Avruch  
; APPLICANT: Xian-Feng Zhang  
; APPLICANT: Mark S. Marshall  
; TITLE OF INVENTION: INHIBITING PROTEIN INTERACTIONS  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: U.S.A.  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; COMPUTER: IBM PS/2 Model 502 or 55SX  
; OPERATING SYSTEM: MS-DOS (Version 5.0)  
; SOFTWARE: WordPerfect (Version 5.1)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/460,533  
; FILING DATE: June 2, 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/259,672  
; FILING DATE: June 10, 1994  
; APPLICATION NUMBER: 08/077,256  
; FILING DATE: June 11, 1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Paul T. Clark, Esq.  
; REGISTRATION NUMBER: 30,162  
; REFERENCE/DOCKET NUMBER: 00786/234002  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 542-5070  
; TELEFAX: (617) 542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; US-08-460-533-14

Query Match 32.1%; Score 26; DB 1; Length 15;  
Best Local Similarity 38.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 ALTLRTATNIWID 14  
||||: |::|  
DB 2 ALTIQLIQLNHFDV 14

RESULT 11  
US-08-726-464B-30  
; Sequence 30, Application US/08726464B  
; Patent No. 5932546  
; GENERAL INFORMATION:  
; APPLICANT: BARRETT, Ronald W.  
; APPLICANT: DOWER, William J.  
; APPLICANT: CWIRLA, Steven A.  
; APPLICANT: JOHNSON, Sherrill S.  
; APPLICANT: WRIGHTON, Nicholas C.  
; APPLICANT: DUFFIN, David J.  
; APPLICANT: WAGSTROM, Christopher R.  
; TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO THE  
; TITLE OF INVENTION: THROMBOPOIETIN RECEPTOR

NUMBER OF SEQUENCES: 58  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/726,464B  
FILING DATE: 04-OCT-1996  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Garrett-Wackowski, Eugenia  
REGISTRATION NUMBER: 37,330  
REFERENCE/DOCKET NUMBER: 16528A-024100  
TELEPHONE: 415/576-0200  
TELEFAX: 415/576-0300  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-726-464B-30

Query Match 32.1%; Score 26; DB 2; Length 15;  
Best Local Similarity 25.0%; Pred. No. 2.2e+02;  
Matches 3; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY 2 ALTURTATNIWI 13  
:|::|:|:  
Db 3 SLSVREQVHLWL 14

RESULT 12  
PCT-US94-06654-14  
Sequence 14, Application PC/TUS94046654  
GENERAL INFORMATION:  
APPLICANT: Joseph Avruch  
APPLICANT: Xian-feng Zhang  
APPLICANT: Mark S. Marshall  
TITLE OF INVENTION: INHIBITING PROTEIN INTERACTIONS  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
COMPUTER: IBM PS/2 Model 502 or 55SX  
OPERATING SYSTEM: MS-DOS (Version 5.0)  
SOFTWARE: WordPerfect (Version 5.1)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US94/06654  
FILING DATE: Herewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Paul T. Clark, Esq.  
REGISTRATION NUMBER: 30,162

REFERENCE/DOCKET NUMBER: 00786/234001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 542-5070  
TELEFAX: (617) 542-8906  
TELEX: 200154  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
PCT-US94-06654-14

Query Match 32.1%; Score 26; DB 5; Length 15;  
Best Local Similarity 38.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 ALTURTATNIWI 14  
:|::|:|:  
Db 2 ALTQLIQNHFDV 14

RESULT 13  
US-09-068-051A-29  
Sequence 29, Application US/09068051A  
Patent No. 6291235  
GENERAL INFORMATION:  
APPLICANT: Old, Lloyd J.; Welt, Sydney; Ritter, Gerd;  
Simpson, Richard J.; Nice, Edouard; Moritz, R. L.;  
Catimel, B.; Ji, Hong; Burgess, Anthony W.;  
Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
Molecule: Associated Nucleic Acid Molecules, Protein And Peptides  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fulbright & Jaworski LLP  
STREET: 666 Fifth Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/068,051A  
FILING DATE: 10-Dec-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/597,495  
FILING DATE: 02-Feb-1996  
APPLICATION NUMBER: 08/511,876  
FILING DATE: 04-Aug-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Hanson, No. 6291235man D.  
REGISTRATION NUMBER: 30,946  
REFERENCE/DOCKET NUMBER: LUD 5316.2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 318-3168  
TELEFAX: (212) 752-5958  
INFORMATION FOR SEQ ID NO: 29  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 29  
US-09-068-051A-29

Query Match 30.9%; Score 25; DB 3; Length 8;  
Best Local Similarity 71.4%; Pred. No. 3e+05;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;



QY

1 DALTLRT 7  
|||:|  
Db 2 DALTVET 8

RESULT 14

US-08-104-165-20  
; Sequence 20, Application US/08104165  
; Patent No. 5877015  
; GENERAL INFORMATION:  
; APPLICANT: HARDY, John Anthony  
; APPLICANT: GOATE, Alison Mary  
; APPLICANT: MULLAN, Michael John  
; APPLICANT: CHARTIER-HARLIN, Marie-Christine  
; APPLICANT: OWEN, Michael John  
; TITLE OF INVENTION: Test and Model for Alzheimer's Disease  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew  
; STREET: 379 Lytton Avenue  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: US  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy Disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/104,165  
; FILING DATE: 21-JAN-1992  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 9101307.8  
; FILING DATE: 21-JAN-1991  
; FILING DATE: 21-JAN-1991  
; APPLICATION NUMBER: 9118445.7  
; FILING DATE: 28-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Liebeschuetz, Joe  
; REGISTRATION NUMBER: 37,505  
; REFERENCE/DOCKET NUMBER: 16163-000100  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-104-165-20

QY

8 ATNIWI 13  
|||:|  
Db 2 ATVIWI 7

RESULT 15

US-08-464-250-20  
; Sequence 20, Application US/08464250  
; Patent No. 6107542  
; GENERAL INFORMATION:  
; APPLICANT: HARDY, John Anthony  
; APPLICANT: GOATE, Alison Mary  
; APPLICANT: MULLAN, Michael John  
; APPLICANT: CHARTIER-HARLIN, Marie-Christine  
; APPLICANT: OWEN, Michael John

; TITLE OF INVENTION: Test and Model for Alzheimer's Disease  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew  
; STREET: 379 Lytton Avenue  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: US  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy Disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/464,250  
; FILING DATE: 05-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/104,165  
; FILING DATE: 21-JAN-1992  
; APPLICATION NUMBER: 9101307.8  
; FILING DATE: 21-JAN-1991  
; APPLICATION NUMBER: 9118445.7  
; FILING DATE: 28-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Liebeschuetz, Joe  
; REGISTRATION NUMBER: 37,505  
; REFERENCE/DOCKET NUMBER: 16163-000100  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-464-250-20

Query Match 30.9%; Score 25; DB 3; Length 9;  
Best Local Similarity 83.3%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWI 13  
|||:|  
Db 2 ATVIWI 7

Search completed: April 29, 2004, 09:27:28  
Job time : 11.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027a-6

Perfect score: 81

Sequence: 1 DALTLRTATNIWIDH 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
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- 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	81	100.0	15	14	US-10-354-240-45
2	58	71.6	15	14	US-10-354-240-46
3	48	59.3	15	14	US-10-354-240-44
4	33	40.7	15	14	US-10-354-240-47
5	27	33.3	9	12	US-10-182-252A-1182
6	27	33.3	10	14	US-10-319-340-2
7	27	33.3	10	14	US-10-319-340-3
8	27	33.3	12	9	US-09-791-378-303
9	27	33.3	12	9	US-09-826-290-300
10	27	33.3	12	14	US-10-033-741-19
11	27	33.3	12	16	US-10-264-309-113
12	27	33.3	13	14	US-10-285-649A-4
13	27	33.3	14	10	US-09-932-613-198
14	27	33.3	14	10	US-09-932-613-224
15	27	33.3	14	10	US-09-932-613-234

16	27	33.3	14	10	US-09-932-613-254	Sequence 254, App
17	27	33.3	14	10	US-09-932-613-302	Sequence 302, App
18	27	33.3	14	10	US-09-932-613-391	Sequence 391, App
19	27	33.3	14	10	US-09-932-322-198	Sequence 198, App
20	27	33.3	14	10	US-09-932-322-224	Sequence 224, App
21	27	33.3	14	10	US-09-932-322-234	Sequence 234, App
22	27	33.3	14	10	US-09-932-322-254	Sequence 254, App
23	27	33.3	14	10	US-09-932-322-302	Sequence 302, App
24	27	33.3	14	10	US-09-932-322-391	Sequence 391, App
25	27	33.3	15	12	US-10-682-420-126	Sequence 126, App
26	27	33.3	15	12	US-10-682-420-127	Sequence 127, App
27	27	33.3	15	16	US-10-409-613-126	Sequence 126, App
28	27	33.3	15	16	US-10-409-613-127	Sequence 127, App
29	26	32.1	6	9	US-09-911-838-84	Sequence 84, Appl
30	26	32.1	7	9	US-09-911-838-85	Sequence 85, Appl
31	26	32.1	7	9	US-09-911-838-85	Sequence 85, Appl
32	26	32.1	10	12	US-10-462-453-617	Sequence 617, App
33	26	32.1	10	14	US-10-200-708-358	Sequence 358, App
34	26	32.1	10	14	US-10-200-708-406	Sequence 406, App
35	26	32.1	10	14	US-10-200-708-430	Sequence 430, App
36	26	32.1	10	14	US-10-200-708-459	Sequence 459, App
37	26	32.1	10	16	US-10-601-953-773	Sequence 773, App
38	26	32.1	14	10	US-09-932-613-335	Sequence 335, App
39	26	32.1	14	10	US-09-932-613-392	Sequence 392, App
40	26	32.1	14	10	US-09-932-613-406	Sequence 406, App
41	26	32.1	14	10	US-09-932-613-416	Sequence 416, App
42	26	32.1	14	10	US-09-932-613-435	Sequence 435, App
43	26	32.1	14	10	US-09-932-322-335	Sequence 335, App
44	26	32.1	14	10	US-09-932-322-392	Sequence 392, App
45	26	32.1	14	10	US-09-932-322-406	Sequence 406, App

ALIGNMENTS

RESULT 1

US-10-354-240-45  
; Sequence 45, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SFO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 45  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 31  
US-10-354-240-45

Query Match 100.0%; Score 81; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 5.6e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DALTLRTATNIWIDH 15

Db 1 DALTLRTATNIWIDH 15

```
RESULT 2
US-10-354-240-46
; Sequence 46, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 32
US-10-354-240-46

Query Match      71.6%; Score 58; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.0046;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 RTATNIWIDH 15
      |||||
Db      1 RTATNIWIDH 10

RESULT 3
US-10-354-240-44
; Sequence 44, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 30
US-10-354-240-44

Query Match      59.3%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.23;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 DALTLRTATN 10
      |||||
Db      6 DALTLRTATN 15

RESULT 4
US-10-354-240-47
; Sequence 47, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 33
US-10-354-240-47

Query Match      40.7%; Score 33; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 IWIDH 15
      |||||
Db      1 IWIDH 5

RESULT 5
US-10-182-252A-1182
; Sequence 1182, Application US/10182252A
; Publication No. US20040072162A1
; GENERAL INFORMATION:
; APPLICANT: FOMSGAARD, ANDERS
; APPLICANT: BRUNAK, SOREN
; APPLICANT: BUUS, SOREN
; APPLICANT: CORBET, SYLVIE
; APPLICANT: LAUEMOLLER, SANNE LISE
; APPLICANT: HANSEN, JAN
; TITLE OF INVENTION: HIV PEPTIDE AND NUCLEIC ACIDS ENCODING THEM FOR DIAGNOSIS AND
; FILE REFERENCE: 030307/0205
; CURRENT APPLICATION NUMBER: US/10/182,252A
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: PCT/DK01/00059
; PRIOR FILING DATE: 2001-01-29
; PRIOR APPLICATION NUMBER: EP 00610017.6
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/179,333
; PRIOR FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 1388
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1182
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Human immunodeficiency virus
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## US-10-182-252A-1182

Query Match 33.3%; Score 27; DB 12; Length 9;  
Best Local Similarity 66.7%; Pred. No. 1e+06;  
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 10 NIWIDH 15  
| | | | |  
Db 1 NIWATH 6

## RESULT 6

US-10-319-340-2  
; Sequence 2, Application US/10319340  
; Publication No. US20030144211A1  
; GENERAL INFORMATION:  
; APPLICANT: Heavner, George A.  
; APPLICANT: McEver, Roger P.  
; APPLICANT: Geng, Jian-Guo  
; TITLE OF INVENTION: Peptide Inhibitors of Inflammation Mediated by Selectins  
; FILE REFERENCE: CTC 102 CON DIV  
; CURRENT APPLICATION NUMBER: US/10/319,340  
; CURRENT FILING DATE: 2002-12-13  
; PRIOR APPLICATION NUMBER: 08/135,319  
; PRIOR FILING DATE: 1993-10-12  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic inhibitory peptide  
US-10-319-340-2

Query Match 33.3%; Score 27; DB 14; Length 10;  
Best Local Similarity 37.5%; Pred. No. 5.8e+02;  
Matches 3; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 6 RTATNIWI 13  
| | | | |  
Db 1 RKVNVWV 8

## RESULT 7

US-10-319-340-3  
; Sequence 3, Application US/10319340  
; Publication No. US20030144211A1  
; GENERAL INFORMATION:  
; APPLICANT: Heavner, George A.  
; APPLICANT: McEver, Roger P.  
; APPLICANT: Geng, Jian-Guo  
; TITLE OF INVENTION: Peptide Inhibitors of Inflammation Mediated by Selectins  
; FILE REFERENCE: CTC 102 CON DIV  
; CURRENT APPLICATION NUMBER: US/10/319,340  
; CURRENT FILING DATE: 2002-12-13  
; PRIOR APPLICATION NUMBER: 08/135,319  
; PRIOR FILING DATE: 1993-10-12  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic inhibitory peptide  
; NAME/KEY: MISC FEATURE  
; LOCATION: (10)-(10)  
; OTHER INFORMATION: No. US20030144211A1NH2  
US-10-319-340-3

Query Match 33.3%; Score 27; DB 14; Length 10;

Best Local Similarity 37.5%; Pred. No. 5.8e+02;  
Matches 3; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 6 RTATNIWI 13  
| | | | |  
Db 1 RKVNVWV 8

## RESULT 8

US-09-791-378-303  
; Sequence 303, Application US/09791378  
; Patent No. US20020142303A1  
; GENERAL INFORMATION:  
; APPLICANT: Parekh, Rajesh  
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF  
; FILE REFERENCE: 9195-061-999  
; CURRENT APPLICATION NUMBER: US/09/791,378  
; CURRENT FILING DATE: 2001-02-23  
; PRIOR APPLICATION NUMBER: 09/750,395  
; PRIOR FILING DATE: 2000-12-28  
; NUMBER OF SEQ ID NOS: 677  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 303  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-791-378-303

Query Match 33.3%; Score 27; DB 9; Length 12;  
Best Local Similarity 42.9%; Pred. No. 7e+02;  
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWID 14  
| | | | |  
Db 4 ADSVWVD 10

## RESULT 9

US-09-826-290-300  
; Sequence 300, Application US/09826290  
; Patent No. US20020164668A1  
; GENERAL INFORMATION:  
; APPLICANT: Durnam, L. Kathryn  
; APPLICANT: Friedman, David L.  
; APPLICANT: Herath, Herath Mudiyanseelage Athula Chandrasiri  
; APPLICANT: Kimmel, Lida H.  
; APPLICANT: Parekh, Rajesh Bhikhu  
; APPLICANT: Potter, David M.  
; APPLICANT: Rohlf, Christian  
; APPLICANT: Silber, B. Michael  
; APPLICANT: Stiger, Thomas R.  
; APPLICANT: Sunderland, P. Trey  
; APPLICANT: Townsend, Robert Reid  
; APPLICANT: White, Frost  
; APPLICANT: Williams, Stephen A.  
; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and  
; TITLE OF INVENTION: Uses Thereof, Including Diagnosis and Treatment of  
; TITLE OF INVENTION: Alzheimer's Disease  
; FILE REFERENCE: 2572-1-001 N2  
; CURRENT APPLICATION NUMBER: US/09/826,290  
; CURRENT FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: US 60/194,504  
; PRIOR FILING DATE: 2000-04-03  
; PRIOR APPLICATION NUMBER: US 60/253,647  
; PRIOR FILING DATE: 2000-11-28  
; NUMBER OF SEQ ID NOS: 492  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 300  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: homo sapien  
US-09-826-290-300

Query Match 33.3%; Score 27; DB 9; Length 12;  
Best Local Similarity 42.9%; Pred. No. 7e+02;  
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWID 14  
|:|:|:  
Db 4 ADSVWVD 10

RESULT 10  
US-10-033-741-19  
; Sequence 19, Application US/10033741  
; Publication No. US20030049640A1  
; GENERAL INFORMATION:  
; APPLICANT: Herman, et al.  
; TITLE OF INVENTION: Proteins, Genes and Their Use For Diagnosis and Treatment of Vasc  
; FILE REFERENCE: 9195-079  
; CURRENT APPLICATION NUMBER: US/10/033,741  
; CURRENT FILING DATE: 2001-12-27  
; NUMBER OF SEQ ID NOS: 80  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 19  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-033-741-19

Query Match 33.3%; Score 27; DB 14; Length 12;  
Best Local Similarity 42.9%; Pred. No. 7e+02;  
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWID 14  
|:|:|:  
Db 4 ADSVWVD 10

RESULT 11  
US-10-264-309-113  
; Sequence 113, Application US/10264309  
; Publication No. US2004002794A1  
; GENERAL INFORMATION:  
; APPLICANT: DURHAM, L. KATHRYN  
; APPLICANT: FRIEDMAN, DAVID L.  
; APPLICANT: HERATH, HERATH  
; APPLICANT: KIMMEL, LIDA H.  
; APPLICANT: PAREKH, RAJESH B.  
; APPLICANT: POTTER, DAVID M.  
; APPLICANT: ROHLER, CHRISTIAN  
; APPLICANT: SILBER, B. MICHAEL  
; APPLICANT: SNYDER, PETER J.  
; APPLICANT: SOARES, HOLLY D.  
; APPLICANT: STIGER, THOMAS R.  
; APPLICANT: SUNDERLAND, P. TREY  
; APPLICANT: TOWNSEND, ROBERT R.  
; APPLICANT: WHITE, W. FROST  
; APPLICANT: WILLIAMS, STEPHEN A.  
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES, POLYPEPTIDES AND USES THEREFOR,  
; FILE REFERENCE: POA-002.01  
; CURRENT APPLICATION NUMBER: US/10/264,309  
; CURRENT FILING DATE: 2002-10-03  
; PRIOR APPLICATION NUMBER: 60/326,708  
; PRIOR FILING DATE: 2001-10-03  
; NUMBER OF SEQ ID NOS: 491  
; SOFTWARE: Patentin version 2.1  
; SEQ ID NO 113  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-264-309-113

Query Match 33.3%; Score 27; DB 16; Length 12;  
Best Local Similarity 42.9%; Pred. No. 7e+02;  
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 8 ATNIWID 14  
|:|:|:  
Db 4 ADSVWVD 10

RESULT 12  
US-10-285-649A-4  
; Sequence 4, Application US/10285649A  
; Publication No. US20030106089A1  
; GENERAL INFORMATION:  
; APPLICANT: McBride, Kevin  
; APPLICANT: Stalker, David M.  
; APPLICANT: Pear, Julie  
; APPLICANT: Perez-Grau, Luis  
; TITLE OF INVENTION: COTTON FIBER TRANSCRIPTIONAL FACTORS  
; FILE REFERENCE: 15615/03/US  
; CURRENT APPLICATION NUMBER: US/10/285,649A  
; CURRENT FILING DATE: 2003-02-07  
; PRIOR APPLICATION NUMBER: US 08/984,099  
; PRIOR FILING DATE: 1997-12-03  
; PRIOR APPLICATION NUMBER: PCI/US96/09897  
; PRIOR FILING DATE: 1996-06-07  
; PRIOR APPLICATION NUMBER: US 08/480,178  
; PRIOR FILING DATE: 1995-06-07  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: IBM PC; Windows 2000; Microsoft Word 2000  
; SEQ ID NO 4  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Gossypium Hirsutum  
US-10-285-649A-4

Query Match 33.3%; Score 27; DB 14; Length 13;  
Best Local Similarity 33.3%; Pred. No. 7.6e+02;  
Matches 2; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 10 NIWIDH 15  
|:|:|:  
Db 8 SVWLEH 13

RESULT 13  
US-09-932-613-198  
; Sequence 198, Application US/09932613  
; Publication No. US20030091565A1  
; GENERAL INFORMATION:  
; APPLICANT: Human Genome Sciences, Inc.  
; APPLICANT: Beltzer, James P.  
; APPLICANT: Potter, M. Daniel  
; APPLICANT: Fleming, Tony J.  
; APPLICANT: Rosen, Craig A.  
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON  
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US  
; CURRENT APPLICATION NUMBER: US/09/932,613  
; CURRENT FILING DATE: 2001-08-17  
; NUMBER OF SEQ ID NOS: 458  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 198  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Blys binding polypeptide  
US-09-932-613-198

Query Match 33.3%; Score 27; DB 10; Length 14;  
Best Local Similarity 42.9%; Pred. No. 8.2e+02;  
Matches 3; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 9 TINIWDH 15  
| : |  
Db 8 TKLWLFH 14

RESULT 14

US-09-932-613-224  
; Sequence 224, Application US/09932613  
; Publication No. US20030091565A1  
; GENERAL INFORMATION:  
; APPLICANT: Human Genome Sciences, Inc.  
; APPLICANT: Beltzer, James P.  
; APPLICANT: Potter, M. Daniel  
; APPLICANT: Fleming, Tony J.  
; APPLICANT: Rosen, Craig A.  
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON  
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US  
; CURRENT APPLICATION NUMBER: US/09/932,613  
; CURRENT FILING DATE: 2001-08-17  
; NUMBER OF SEQ ID NOS: 458  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 224  
; LENGTH: 14  
; TYPE: PPT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Blys binding polypeptide  
US-09-932-613-224

Query Match 33.3%; Score 27; DB 10; Length 14;  
Best Local Similarity 42.9%; Pred. No. 8.2e+02;  
Matches 3; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 9 TINIWDH 15  
| : |  
Db 8 TKLWLFH 14

RESULT 15

US-09-932-613-234  
; Sequence 234, Application US/09932613  
; Publication No. US20030091565A1  
; GENERAL INFORMATION:  
; APPLICANT: Human Genome Sciences, Inc.  
; APPLICANT: Beltzer, James P.  
; APPLICANT: Potter, M. Daniel  
; APPLICANT: Fleming, Tony J.  
; APPLICANT: Rosen, Craig A.  
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON  
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US  
; CURRENT APPLICATION NUMBER: US/09/932,613  
; CURRENT FILING DATE: 2001-08-17  
; NUMBER OF SEQ ID NOS: 458  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 234  
; LENGTH: 14  
; TYPE: PPT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Blys binding polypeptide  
US-09-932-613-234

Query Match 33.3%; Score 27; DB 10; Length 14;  
Best Local Similarity 42.9%; Pred. No. 8.2e+02;  
Matches 3; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 9 TINIWDH 15  
| : |  
Db 8 TKLWLFH 14

Search completed: April 29, 2004, 10:34:08  
Job time : 30.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-5  
Perfect score: 80  
Sequence: 1 HPQDGDALTRATN 15  
Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA: \*  
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6: /cgn2\_6/prodata/2/iaa/6D\_COMB.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	36.2	14	2	US-08-459-568-69
2	29	36.2	14	2	US-08-399-411-69
3	29	36.2	14	3	US-08-516-859A-69
4	29	36.2	14	4	US-09-586-472-69
5	29	36.2	14	4	US-09-528-706-69
6	27	33.8	7	4	US-09-989-789-672
7	27	33.8	7	4	US-09-989-789-675
8	27	33.8	9	2	US-08-318-856A-65
9	27	33.8	10	2	US-08-318-856A-72
10	27	33.8	13	1	US-07-791-213D-28
11	27	33.8	13	1	US-08-293-150A-28
12	27	33.8	14	1	US-07-791-213D-27
13	27	33.8	14	1	US-08-293-150A-27
14	27	33.8	15	1	US-07-791-213D-26
15	27	33.8	15	1	US-07-972-387-73
16	27	33.8	15	1	US-08-431-412-73
17	27	33.8	17	1	US-08-057-971-73
18	27	33.8	15	1	US-08-293-150A-26
19	26	32.5	7	4	US-08-757-425B-59
20	26	32.5	7	4	US-08-757-425B-60
21	26	32.5	7	4	US-08-757-425B-61
22	26	32.5	7	4	US-08-757-425B-64
23	26	32.5	7	4	US-09-989-789-671
24	26	32.5	7	4	US-09-989-789-674
25	26	32.5	9	1	US-08-215-805A-28
26	26	32.5	9	4	US-09-601-729-91
27	26	32.5	9	5	PCT-US95-16415-34

28	26	32.5	10	2	US-08-769-745-3	Sequence 3, Appli
29	26	32.5	12	2	US-08-487-675-1	Sequence 1, Appli
30	26	32.5	12	3	US-08-304-263A-1	Sequence 1, Appli
31	26	32.5	12	4	US-09-315-926A-22	Sequence 22, Appl
32	26	32.5	12	4	US-08-134-231C-41	Sequence 41, Appl
33	26	32.5	12	4	US-09-434-123A-1	Sequence 1, Appli
34	26	32.5	12	4	US-08-728-160-41	Sequence 41, Appl
35	26	32.5	13	4	US-09-063-733A-3	Sequence 3, Appli
36	26	32.5	14	4	US-08-811-682-10	Sequence 10, Appl
37	26	32.5	14	4	US-09-205-258-839	Sequence 839, App
38	25	31.2	7	4	US-09-989-789-289	Sequence 289, App
39	25	31.2	7	4	US-09-989-789-670	Sequence 670, App
40	25	31.2	7	4	US-09-989-789-673	Sequence 673, App
41	25	31.2	7	4	US-09-989-789-696	Sequence 696, App
42	25	31.2	7	4	US-09-989-789-966	Sequence 966, App
43	25	31.2	7	4	US-09-989-789-971	Sequence 971, App
44	25	31.2	7	4	US-09-989-789-1047	Sequence 1047, Ap
45	25	31.2	7	4	US-09-989-789-1048	Sequence 1048, Ap

ALIGNMENTS

RESULT 1  
US-08-459-568-69  
; Sequence 69, Application US/08459568  
; Patent No. 5811304  
; GENERAL INFORMATION:  
; APPLICANT: Huang, Shi  
; TITLE OF INVENTION: Retinoblastoma Protein - Interacting  
; TITLE OF INVENTION: Zinc Finger Proteins  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Campbell and Flores  
; STREET: 4370 La Jolla Village Drive, Suite 700  
; CITY: San Diego  
; STATE: California  
; COUNTRY: USA  
; ZIP: 92122  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/459,568  
; FILING DATE: 02-JUN-1995  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/399,411  
; FILING DATE: 06-MAR-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Campbell, Cathryn A.  
; REGISTRATION NUMBER: 31,815  
; REFERENCE/DOCKET NUMBER: P-LJ 1264  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 535-9001  
; TELEFAX: (619) 535-8949  
; INFORMATION FOR SEQ ID NO: 69:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
US-08-459-568-69

Query Match 36.2%; Score 29; DB 2; Length 14;  
Best Local Similarity 62.5%; Pred. No. 54;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 1 HPQDGDAL 8  
DB 2 HPEDMDLL 9

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RESULT 2
US-08-399-411-69
; Sequence 69, Application US/08399411
; Patent No. 5831008
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: Retinoblastoma Protein - Interacting
; TITLE OF INVENTION: Zinc Finger Proteins
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/399,411
; FILING DATE: 06-MAR-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 1264
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
;
US-08-399-411-69
Query Match 36.2%; Score 29; DB 2; Length 14;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HPQDGDAL 8
Db 2 HPEDMDLL 9

RESULT 3
US-08-516-859A-69
; Sequence 69, Application US/08516859A
; Patent No. 6069231
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: Retinoblastoma Protein - Interacting
; TITLE OF INVENTION: Zinc Finger Proteins
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/516,859A
; FILING DATE: 18-AUG-1995
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CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/399,411
FILING DATE: 06-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/292,683
FILING DATE: 18-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1776
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 69:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-516-859A-69
Query Match 36.2%; Score 29; DB 3; Length 14;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HPQDGDAL 8
Db 2 HPEDMDLL 9

RESULT 4
US-09-586-472-69
; Sequence 69, Application US/09586472
; Patent No. 6323335
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: Retinoblastoma Protein - Interacting
; Zinc Finger Proteins
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/586,472
; FILING DATE: 01-Jun-2000
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/528,706
; FILING DATE: 17-MAR-2000
; APPLICATION NUMBER: US 08/516,859
; FILING DATE: 18-AUG-1995
; APPLICATION NUMBER: US 08/399,411
; FILING DATE: 06-MAR-1995
; APPLICATION NUMBER: US 08/292,683
; FILING DATE: 18-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 4130
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
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;
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 69:
US-09-586-472-69
Query Match 36.2%; Score 29; DB 4; Length 14;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 HPQGDAL 8
DB 2 HPEDMDLL 9

RESULT 5
US-09-528-706-69
; Sequence 69, Application US/09528706
; Patent No. 6468985
; GENERAL INFORMATION:
; APPLICANT: Huang, Shi
; TITLE OF INVENTION: Retinoblastoma Protein - Interacting
; TITLE OF INVENTION: Zinc Finger Proteins
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/528,706
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/516,859
; FILING DATE:
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/292,683
; FILING DATE: 18-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 1776
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-09-528-706-69
Query Match 36.2%; Score 29; DB 4; Length 14;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 HPQGDAL 8
DB 2 HPEDMDLL 9

RESULT 6
US-09-989-789-672
; Sequence 672, Application US/09989789
; Patent No. 6588746
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; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 672
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-672
Query Match 33.8%; Score 27; DB 4; Length 7;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 GDALTL 10
DB 2 GDALTM 7

RESULT 7
US-09-989-789-675
; Sequence 675, Application US/09989789
; Patent No. 6588746
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 675
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-675
Query Match 33.8%; Score 27; DB 4; Length 7;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 GDALTL 10
DB 2 GDALTM 7

RESULT 8
US-08-318-856A-65
; Sequence 65, Application US/08318856A
; Patent No. 5972351
; GENERAL INFORMATION:
; APPLICANT: Adrian V.S. Hill, et al.
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM MHC CLASS I-
; TITLE OF INVENTION: RESTRICTED CTL EPITOPES DERIVED FROM PRE-ERYTHROCYTIC STAGE
; TITLE OF INVENTION: ANTIGENS (AS AMENDED)
; NUMBER OF SEQUENCES: 86
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
; STREET: 2033 K Street, N.W., Suite 800
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20006
```

Thu Apr 29 11:08:54 2004

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk, 3.5 inch, 1.44 mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1+
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,856A
FILING DATE: October 3, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 92 08 068.8
FILING DATE: April 3, 1992
APPLICATION DATA: GB 92 17 704.7
FILING DATE: August 20, 1992
APPLICATION DATA:
APPLICATION NUMBER: WO PCT/GB93/00711
FILING DATE: April 5, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: 263-PP1R1577US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 721-8200
TELEFAX: (202) 721-8250
INFORMATION FOR SEQ ID NO: 65:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-318-856A-65

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Query Match 33.8%; Score 27; DB 2; Length 9;
Best Local Similarity 80.0%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Caps 0;

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Qy 1 HPQDG 5
Db 1 HPSDG 5

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RESULT 9
US-08-318-856A-72
Sequence 72, Application US/08318856A
Patent No. 5972351
GENERAL INFORMATION:
APPLICANT: Adrian V.S. Hill, et al.
TITLE OF INVENTION: PLASMODIUM FALCIPARUM MHC CLASS I-
TITLE OF INVENTION: RESTRICTED CTL EPTOPES DERIVED FROM PRE-ERYTHROCYTIC STAGE
TITLE OF INVENTION: ANTIGENS (AS AMENDED)
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk, 3.5 inch, 1.44 mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1+
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,856A
FILING DATE: October 3, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 92 08 068.8
FILING DATE: April 3, 1992.
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 92 17 704.7
FILING DATE: August 20, 1992

```

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/GB93/00711
FILING DATE: April 5, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: 263-PP1R1577US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 721-8200
TELEFAX: (202) 721-8250
INFORMATION FOR SEQ ID NO: 72:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-318-856A-72
Query Match 33.8%; Score 27; DB 2; Length 10;
Best Local Similarity 80.0%; Pred. No. 83;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Caps 0;

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Qy 1 HPQDG 5
Db 1 HPSDG 5

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RESULT 10
US-07-791-213D-28
Sequence 28, Application US/07791213D
Patent No. 5409895
GENERAL INFORMATION:
APPLICANT: MORISHITA, Hideaki
APPLICANT: KANAMORI, Toshinori
APPLICANT: NOBUHARA, Masahiro
TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE
TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME
TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF
TITLE OF INVENTION: TREATING USING THE SAME
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/791,213D
FILING DATE: 13-NOV-1991
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-306745
FILING DATE: 13-NOV-1990
ATTORNEY/AGENT INFORMATION:
NAME: Meuth, Donna M
REGISTRATION NUMBER: 36,607
REFERENCE/DOCKET NUMBER: 029650-032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide

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US-07-791-213D-28

Query Match 33.8%; Score 27; DB 1; Length 13;  
Best Local Similarity 60.0%; Pred. No. 1.1e+02;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PQDGDALTLR 11  
| | | | |  
Db 4 PGDGDDELLR 13

RESULT 11

US-08-293-150A-28  
; Sequence 28, Application US/08293150A  
; Patent No. 5792629  
; GENERAL INFORMATION:  
; APPLICANT: MORISHITA, Hideaki  
; APPLICANT: KANAMORI, Toshinori  
; APPLICANT: NOBUHARA, Masahiro  
; TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE  
; TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME  
; TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF  
; TITLE OF INVENTION: TREATING USING THE SAME  
; NUMBER OF SEQUENCES: 110  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
; STREET: P.O. Box 1404  
; CITY: Alexandria  
; STATE: Virginia  
; COUNTRY: United States  
; ZIP: 22313-1404  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; FILING DATE: 19-AUG-1994  
; CLASSIFICATION: 514  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 07/791,213  
; FILING DATE: 13-NOV-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 2-306745  
; FILING DATE: 13-NOV-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meuth, Donna M.  
; REGISTRATION NUMBER: 36,607  
; REFERENCE/DOCKET NUMBER: 029650-049  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 836-6620  
; TELEFAX: (703) 836-2021  
; INFORMATION FOR SEQ ID NO: 28:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 13 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-293-150A-28

Query Match 33.8%; Score 27; DB 1; Length 13;  
Best Local Similarity 60.0%; Pred. No. 1.1e+02;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PQDGDALTLR 11  
| | | | |  
Db 4 PGDGDDELLR 13

RESULT 12

US-07-791-213D-27  
; Sequence 27, Application US/07791213D

; Patent No. 5409895

; GENERAL INFORMATION:  
; APPLICANT: MORISHITA, Hideaki  
; APPLICANT: KANAMORI, Toshinori  
; APPLICANT: NOBUHARA, Masahiro  
; TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE  
; TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME  
; TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF  
; TITLE OF INVENTION: TREATING USING THE SAME  
; NUMBER OF SEQUENCES: 108  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
; STREET: P.O. Box 1404  
; CITY: Alexandria  
; STATE: Virginia  
; COUNTRY: United States  
; ZIP: 22313-1404  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/791,213D  
; FILING DATE: 13-NOV-1991  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 2-306745  
; FILING DATE: 13-NOV-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meuth, Donna M.  
; REGISTRATION NUMBER: 36,607  
; REFERENCE/DOCKET NUMBER: 029650-032  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 836-6620  
; TELEFAX: (703) 836-2021  
; INFORMATION FOR SEQ ID NO: 27:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-07-791-213D-27

Query Match 33.8%; Score 27; DB 1; Length 14;  
Best Local Similarity 60.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PQDGDALTLR 11  
| | | | |  
Db 4 PGDGDDELLR 13

RESULT 13

US-08-293-150A-27  
; Sequence 27, Application US/08293150A  
; Patent No. 5792629  
; GENERAL INFORMATION:  
; APPLICANT: MORISHITA, Hideaki  
; APPLICANT: KANAMORI, Toshinori  
; APPLICANT: NOBUHARA, Masahiro  
; TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE  
; TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME  
; TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF  
; TITLE OF INVENTION: TREATING USING THE SAME  
; NUMBER OF SEQUENCES: 110  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
; STREET: P.O. Box 1404  
; CITY: Alexandria  
; STATE: Virginia  
; COUNTRY: United States  
; ZIP: 22313-1404

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/293,150A  
 FILING DATE: 19-AUG-1994  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/791,213  
 FILING DATE: 13-NOV-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 2-306745  
 FILING DATE: 13-NOV-1990  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meuth, Donna M.  
 REGISTRATION NUMBER: 36,607  
 REFERENCE/DOCKET NUMBER: 029650-049  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 836-6620  
 TELEFAX: (703) 836-2021  
 INFORMATION FOR SEQ ID NO: 27:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 14 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-293-150A-27

Query Match 33.8%; Score 27; DB 1; Length 14;  
 Best Local Similarity 60.0%; Pred. No. 1.3e+02;  
 Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PDGDALTLR 11  
 Db 4 PGDGEELLR 13

RESULT 14

US-07-791-213D-26  
 Sequence 26, Application US/07791213D  
 Patent No. 5409895  
 GENERAL INFORMATION:  
 APPLICANT: MORISHITA, Hideaki  
 APPLICANT: KANAMORI, Toshinori  
 APPLICANT: NOBUHARA, Masahiro  
 TITLE OF INVENTION: POLYPEPTIDE, DNA FRAGMENT ENCODING THE  
 TITLE OF INVENTION: SAME AND PROCESS FOR PRODUCING THE SAME, AND ENZYME  
 TITLE OF INVENTION: INHIBITION PROCESS, DRUG COMPOSITION AND METHODS OF  
 TITLE OF INVENTION: TREATING USING THE SAME  
 NUMBER OF SEQUENCES: 108  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Burns, Doane, Swecker & Mathis  
 STREET: P.O. Box 1404  
 CITY: Alexandria  
 STATE: Virginia  
 COUNTRY: United States  
 ZIP: 22313-1404  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/791,213D  
 FILING DATE: 13-NOV-1991  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 2-306745  
 FILING DATE: 13-NOV-1990  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meuth, Donna M

REGISTRATION NUMBER: 36,607  
 REFERENCE/DOCKET NUMBER: 029650-032.  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 836-6620  
 TELEFAX: (703) 836-2021  
 INFORMATION FOR SEQ ID NO: 26:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 15 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-07-791-213D-26

Query Match 33.8%; Score 27; DB 1; Length 15;  
 Best Local Similarity 60.0%; Pred. No. 1.4e+02;  
 Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PDGDALTLR 11  
 Db 4 PGDGEELLR 13

RESULT 15

US-07-972-387-73  
 Sequence 73, Application US/07972387  
 Patent No. 5451659  
 GENERAL INFORMATION:  
 APPLICANT: Morishita, Hideaki  
 APPLICANT: Kanamori, Toshinori  
 APPLICANT: No. 5451659uhaba, Masahiro  
 TITLE OF INVENTION: Polypeptide, DNA Fragment Encoding the  
 TITLE OF INVENTION: Same, Drug Composition Containing the Same and Process for  
 TITLE OF INVENTION: Producing the Same  
 NUMBER OF SEQUENCES: 76  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Birch, Stewart, Kolasch & Birch  
 STREET: 301 N. Washington St.  
 CITY: Falls Church  
 STATE: Virginia  
 COUNTRY: USA  
 ZIP: 22046-0747  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/972,387  
 FILING DATE: 19921105  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Murphy Jr., Gerald M.  
 REGISTRATION NUMBER: 28,977  
 REFERENCE/DOCKET NUMBER: 1110-124P  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 703-241-1300  
 TELEFAX: 703-241-2848  
 TELEX: 248345  
 INFORMATION FOR SEQ ID NO: 73:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 15 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-07-972-387-73

Query Match 33.8%; Score 27; DB 1; Length 15;  
 Best Local Similarity 60.0%; Pred. No. 1.4e+02;  
 Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 PDGDALTLR 11  
 Db 3 PGDGEELLR 12

us-09-308-027a-5.closed.ra1

Thu Apr 29 11:08:54 2004

Search completed: April 29, 2004, 09:27:28  
Job time : 12.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.77% Million cell updates/sec

Title: US-09-308-027A-5

Perfect score: 80

Sequence: 1 HPQDGDALTRATN 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0

Maximum DB seq length: 15

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	80	100.0	15	14	US-10-354-240-44
2	55	68.8	15	14	US-10-354-240-43
3	48	60.0	15	14	US-10-354-240-45
4	32	40.0	15	14	US-10-354-240-42
5	27	33.8	7	9	US-09-989-789-672
6	27	33.8	7	9	US-09-989-789-675
7	27	33.8	7	10	US-09-990-186-672
8	27	33.8	7	10	US-09-990-186-675
9	27	33.8	7	10	US-09-989-994-672
10	27	33.8	7	10	US-09-989-994-675
11	27	33.8	9	8	US-08-344-824-158
12	27	33.8	10	8	US-08-344-824-254
13	27	33.8	12	12	US-10-191-540-154
14	26	32.5	7	9	US-09-989-789-671
15	26	32.5	7	9	US-09-989-789-674

Sequence 671, App  
Sequence 674, App  
Sequence 671, App  
Sequence 674, App  
Sequence 34, Appl  
Sequence 34, Appl  
Sequence 20, Appl  
Sequence 41, Appl  
Sequence 22, Appl  
Sequence 60, Appl  
Sequence 60, Appl  
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Sequence 60, Appl  
Sequence 60, Appl  
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Sequence 60, Appl  
Sequence 3, Appl  
Sequence 3, Appl  
Sequence 60, Appl  
Sequence 15, Appl  
Sequence 839, App  
Sequence 839, App  
Sequence 1123, App  
Sequence 839, App  
Sequence 1122, App  
Sequence 1129, App  
Sequence 1140, App  
Sequence 1146, App  
Sequence 10, Appl  
Sequence 289, App  
Sequence 670, App  
Sequence 673, App

ALIGNMENTS

RESULT 1

US-10-354-240-44  
; Sequence 44, Application US/10354240  
; Publication No. US0030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akimori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 44  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 30  
US-10-354-240-44

Query Match 100.0%; Score 80; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 1.5e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HPQDGDALTRATN 15

Db 1 HPQDGDALTRATN 15

RESULT 2  
US-10-354-240-43  
; Sequence 43, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 43  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29  
US-10-354-240-43  
Query Match 68.8%; Score 55; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.0045;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 HPQGDALTL 10  
Db 6 HPQGDALTL 15  
RESULT 3  
US-10-354-240-45  
; Sequence 45, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 45  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 31  
US-10-354-240-45  
Query Match 60.0%; Score 48; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.089;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 HPQGDALTL 10  
Db 6 HPQGDALTL 15  
RESULT 4  
US-10-354-240-42  
; Sequence 42, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 42  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28  
US-10-354-240-42  
Query Match 40.0%; Score 32; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 69;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 HPQDG 5  
Db 11 HPQDG 15  
RESULT 5  
US-09-989-789-672  
; Sequence 672, Application US/09989789  
; Patent No. US20020063379A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS  
; FILE REFERENCE: 8325-0011.20 / 811-US2  
; CURRENT APPLICATION NUMBER: US/09/989,789  
; CURRENT FILING DATE: 2002-03-25  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 672  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP  
US-09-989-789-672  
Query Match 33.8%; Score 27; DB 9; Length 7;  
Best Local Similarity 83.3%; Pred. No. 1e+06;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 5 GDALTL 10  
Db 2 GDALTL 7

Qy 6 DALTLRTATN 15  
Db 1 DALTLRTATN 10  
RESULT 4  
US-10-354-240-42  
; Sequence 42, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 42  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28  
US-10-354-240-42  
Query Match 40.0%; Score 32; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 69;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 HPQDG 5  
Db 11 HPQDG 15  
RESULT 5  
US-09-989-789-672  
; Sequence 672, Application US/09989789  
; Patent No. US20020063379A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS  
; FILE REFERENCE: 8325-0011.20 / 811-US2  
; CURRENT APPLICATION NUMBER: US/09/989,789  
; CURRENT FILING DATE: 2002-03-25  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 672  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP  
US-09-989-789-672  
Query Match 33.8%; Score 27; DB 9; Length 7;  
Best Local Similarity 83.3%; Pred. No. 1e+06;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 5 GDALTL 10  
Db 2 GDALTL 7

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; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 675
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-990-186-675

Query Match      33.8%; Score 27; DB 10; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      5 GDALTL 10
        |||||
Db      2 GDALTM 7

RESULT 9
US-09-989-994-672
; Sequence 672, Application US/09989994
; Publication No. US20030104526A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,994
; CURRENT FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 672
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-994-672

Query Match      33.8%; Score 27; DB 10; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      5 GDALTL 10
        |||||
Db      2 GDALTM 7

RESULT 10
US-09-989-994-675
; Sequence 675, Application US/09989994
; Publication No. US20030104526A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,994
; CURRENT FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 675
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-994-675

Query Match      33.8%; Score 27; DB 10; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      5 GDALTL 10
        |||||
Db      2 GDALTM 7
```

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; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 675
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-675

Query Match      33.8%; Score 27; DB 9; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      5 GDALTL 10
        |||||
Db      2 GDALTM 7

RESULT 7
US-09-990-186-672
; Sequence 672, Application US/09990186
; Publication No. US20030068675A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.21 / S11-US3
; CURRENT APPLICATION NUMBER: US/09/990,186
; CURRENT FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 672
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-990-186-672

Query Match      33.8%; Score 27; DB 10; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      5 GDALTL 10
        |||||
Db      2 GDALTM 7

RESULT 8
US-09-990-186-675
; Sequence 675, Application US/09990186
; Publication No. US20030068675A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.21 / S11-US3
; CURRENT APPLICATION NUMBER: US/09/990,186
; CURRENT FILING DATE: 2001-11-20
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QY 5 GDALT 10  
Db 2 GDALT 7

RESULT 11  
US-08-344-824-158  
; Sequence 158, Application US/08344824  
; Publication No. US20030152580A1  
; GENERAL INFORMATION:  
; APPLICANT: SETTE, Alessandro  
; APPLICANT: SIDNEY, John  
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES  
; NUMBER OF SEQUENCES: 399  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew  
; STREET: One Market Plaza, Steuart Street Tower, 20th  
; STREET: Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94105  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/344,824  
; FILING DATE: 23-NOV-1994  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/278,634  
; FILING DATE: 21-JUL-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bastian, Kevin L.  
; REGISTRATION NUMBER: 34,774  
; REFERENCE/DOCKET NUMBER: 14137-80-1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 543-9600  
; TELEFAX: (415) 543-5043  
; INFORMATION FOR SEQ ID NO: 254:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
US-08-344-824-254

Query Match 33.8%; Score 27; DB 8; Length 10;  
Best Local Similarity 80.0%; Pred. No. 3.5e+02;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 HPQDG 5  
Db 1 HPSDG 5

RESULT 13  
US-10-191-540-154  
; Sequence 154, Application US/10191540  
; Publication No. US2003022494A1  
; GENERAL INFORMATION:  
; APPLICANT: Tsuyoshi Nomoto, Tetsuya Yano, Shinya Kozaki and Tautomu Honma  
; TITLE OF INVENTION: Polyhydroxyalkanoate-containing structure and manufacturing metho  
; FILE REFERENCE: CF016534  
; CURRENT APPLICATION NUMBER: US/10/191,540  
; CURRENT FILING DATE: 2002-07-10  
; PRIOR APPLICATION NUMBER: JP P2001-210052  
; PRIOR FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: JP P2002-172978  
; PRIOR FILING DATE: 2002-06-13  
; NUMBER OF SEQ ID NOS: 186  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 154  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: T102-binding peptide  
US-10-191-540-154

Query Match 33.8%; Score 27; DB 12; Length 12;  
Best Local Similarity 62.5%; Pred. No. 4.3e+02;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 PQDGDALT 9  
Db 5 PHPGDTLT 12

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RESULT 14
US-09-989-789-671
; Sequence 671, Application US/09989789
; Patent No. US20020063379A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 671
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-671

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Query Match      32.5%; Score 26; DB 9; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 5 GDALTL 10
Db 2 GDALTV 7

```

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RESULT 15
US-09-989-789-674
; Sequence 674, Application US/09989789
; Patent No. US20020063379A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 674
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-674

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Query Match      32.5%; Score 26; DB 9; Length 7;
Best Local Similarity 83.3%; Pred. No. 1e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 5 GDALTL 10
Db 2 GDALTV 7

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Search completed: April 29, 2004, 10:34:08  
Job time : 31.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

QM protein - protein search, using sw model

Run on: April 29, 2004, 09:23:22 ; Search time 23 Seconds  
(without alignments)  
20.201 Million cell updates/sec

Title: US-09-308-027A-4  
Perfect score: 42  
Sequence: 1 FIKRVSNVI 9

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 89883

Minimum DB seq length: 0  
Maximum DB seq length: 9

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/prodata/2/iaa/5A-COMB.pep.\*  
2: /cgn2\_6/prodata/2/iaa/5B-COMB.pep.\*  
3: /cgn2\_6/prodata/2/iaa/6A-COMB.pep.\*  
4: /cgn2\_6/prodata/2/iaa/6B-COMB.pep.\*  
5: /cgn2\_6/prodata/2/iaa/6C-COMB.pep.\*  
6: /cgn2\_6/prodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	23	54.8	8	3	US-08-405-647B-15
2	23	54.8	8	3	US-08-985-499-15
3	23	54.8	8	5	PCT-US96-03180-15
4	22	52.4	7	2	US-08-637-759B-196
5	22	52.4	7	3	US-08-871-355A-196
6	22	52.4	7	4	US-09-201-945-196
7	22	52.4	7	4	US-09-463-129B-6
8	21	50.0	8	3	US-09-190-964-11
9	20	47.6	6	3	US-08-405-647B-2
10	20	47.6	6	3	US-08-985-499-2
11	20	47.6	6	5	PCT-US96-03180-2
12	20	47.6	7	1	US-08-438-123-2
13	20	47.6	9	1	US-08-438-123-10
14	20	47.6	9	4	US-08-403-459-1
15	19	45.2	6	2	US-08-531-525-1
16	19	45.2	6	2	US-08-718-270A-1
17	19	45.2	7	1	US-08-244-626-6
18	19	45.2	7	4	US-08-135-319A-21
19	19	45.2	9	3	US-09-258-754-138
20	19	45.2	9	3	US-09-042-107-138
21	19	45.2	9	3	US-08-928-213B-189
22	19	45.2	9	4	US-09-722-250B-138
23	18	42.9	5	2	US-08-867-941-64
24	18	42.9	5	3	US-09-074-658-64
25	18	42.9	6	1	US-08-856-053-22
26	18	42.9	6	2	US-08-377-432-36
27	18	42.9	6	4	US-08-900-241-36

28 18 42.9 7 1 US-08-856-053-12 Sequence 12, Appl  
29 18 42.9 7 1 US-08-856-053-21 Sequence 21, Appl  
30 18 42.9 7 3 US-09-103-478-5 Sequence 5, Appl  
31 18 42.9 7 4 US-09-193-931C-5 Sequence 5, Appl  
32 18 42.9 7 4 US-09-026-221-5 Sequence 5, Appl  
33 18 42.9 8 1 US-08-856-053-11 Sequence 11, Appl  
34 18 42.9 8 1 US-08-856-053-20 Sequence 20, Appl  
35 18 42.9 8 2 PCT-US91-02958-3 Sequence 3, Appl  
36 18 42.9 8 5 PCT-US91-02958-3 Sequence 7, Appl  
37 18 42.9 9 1 US-07-972-007-7 Sequence 2, Appl  
38 18 42.9 9 1 US-08-218-608-2 Sequence 7, Appl  
39 18 42.9 9 1 US-08-647-618-7 Sequence 10, Appl  
40 18 42.9 9 1 US-08-856-053-10 Sequence 10, Appl  
41 18 42.9 9 1 US-08-856-053-19 Sequence 19, Appl  
42 18 42.9 9 3 US-09-171-705-64 Sequence 64, Appl  
43 18 42.9 9 3 US-09-518-046-109 Sequence 109, Appl  
44 18 42.9 9 3 US-09-518-046-119 Sequence 119, Appl  
45 18 42.9 9 4 US-09-327-357-432 Sequence 432, Appl

ALIGNMENTS

RESULT 1  
US-08-405-647B-15  
; Sequence 15, Application US/08405647B  
; Patent No. 6124362  
; GENERAL INFORMATION:  
; APPLICANT: Sherman, Irwin W.  
; APPLICANT: Crandall, Ian E.  
; APPLICANT: Sholet, Stephen B.  
; APPLICANT: Thevenin, Bernard Jean-Marie  
; TITLE OF INVENTION: Compositions and Methods for Reducing  
; TITLE OF INVENTION: Adhesiveness of Defective Red Blood Cells  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/405,647B  
; FILING DATE: 17-MAR-1995  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Weber, Kenneth A.  
; REGISTRATION NUMBER: 31,677  
; REFERENCE/DOCKET NUMBER: 02307E-068700US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-405-647B-15

Query Match 54.8%; Score 23; DB 3; Length 8;  
Best Local Similarity 80.0%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels 0;  
QY 1 FIKRV 5  
|:|:|

Db 1 FVKRV 5

RESULT 2

US-08-985-499-15

Sequence 15, Application US/08985499

Patent No. 6191103

GENERAL INFORMATION:

APPLICANT: Shohet, Stephen B.

APPLICANT: Sherman, Irwin

APPLICANT: von Andrian, Ulrich

TITLE OF INVENTION: Methods for Enhancing Thrombolysis in a

TITLE OF INVENTION: Mammal

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/985,499

FILING DATE: 05-DEC-1997

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Hyman, Laurence J.

REGISTRATION NUMBER: 35,551

REFERENCE/DOCKET NUMBER: 02307E-084500US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 8 amino acids

TYPE: amino acid

STRANDEDNESS: linear

MOLECULE TYPE: peptide

US-08-985-499-15

Query Match 54.8%; Score 23; DB 3; Length 8;

Best Local Similarity 80.0%; Pred. No. 3e+05;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FIKRV 5

Db 1 FVKRV 5

RESULT 3

PCT-US96-03180-15

Sequence 15, Application PC/TUS9603180

GENERAL INFORMATION:

APPLICANT: The Regents of the University

APPLICANT: of California

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REDUCING

TITLE OF INVENTION: ADHESIVENESS OF DEFECTIVE RED BLOOD CELLS

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSEE: Robbins, Berliner & Carson

STREET: 201 North Figueroa Street, Suite 500

CITY: Los Angeles

STATE: California

COUNTRY: USA

ZIP: 90012-2628

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/03180

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Berliner, Robert

REGISTRATION NUMBER: 20,121

REFERENCE/DOCKET NUMBER: 5555-370

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 977-1001

TELEFAX: (213) 977-1003

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 8 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

PCT-US96-03180-15

Query Match 54.8%; Score 23; DB 5; Length 8;

Best Local Similarity 80.0%; Pred. No. 3e+05;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FIKRV 5

Db 1 FVKRV 5

RESULT 4

US-08-637-759B-196

Sequence 196, Application US/08637759B

Patent No. 5876931

GENERAL INFORMATION:

APPLICANT: David William Holgen

TITLE OF INVENTION: Identification of Genes

NUMBER OF SEQUENCES: 501

CORRESPONDENCE ADDRESS:

ADDRESSEE: Patrea L. Pabst

STREET: 2800 One Atlantic Center

STREET: 1201 West Peachtree Street

CITY: Atlanta

STATE: Georgia

COUNTRY: USA

ZIP: 30309-3450

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/637,759B

FILING DATE: 03-MAY-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/GB95/02875

FILING DATE: 11-DEC-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Pabst, Patrea L.

REGISTRATION NUMBER: 31,284

REFERENCE/DOCKET NUMBER: RPMS 101

TELECOMMUNICATION INFORMATION:

TELEPHONE: (404) 873-8794

TELEFAX: (404) 873-8795

INFORMATION FOR SEQ ID NO: 196:

SEQUENCE CHARACTERISTICS:

LENGTH: 7 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
US-08-637-759B-196

Query Match 52.4%; Score 22; DB 2; Length 7;  
Best Local Similarity 57.1%; Pred. No. 3e+05; 3; Indels 0; Gaps 0;  
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 FIKRVSN 7  
Db 1 FFKRTKN 7

RESULT 5

US-08-871-355A-196  
Sequence 196, Application US/09871355A  
Patent No. 6015669

GENERAL INFORMATION:  
APPLICANT: David William Holden  
TITLE OF INVENTION: Identification of Genes  
NUMBER OF SEQUENCES: 501  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Patrea L. Pabst  
STREET: 2800 One Atlantic Center  
STREET: 1201 West Peachtree Street  
CITY: Atlanta  
STATE: Georgia  
COUNTRY: USA  
ZIP: 30309-3450

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
FILING DATE: 09-JUN-1997  
CLASSIFICATION: 435  
APPLICATION NUMBER: US/08/871,355A  
PRIOR APPLICATION DATA: PCT/GB95/02875  
FILING DATE: 11-DEC-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Pabst, Patrea L.  
REGISTRATION NUMBER: 31,284  
REFERENCE/DOCKET NUMBER: RPS 101 CON  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (404) 873-8795  
TELEFAX: (404) 873-8795  
INFORMATION FOR SEQ ID NO: 196:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO

Query Match 52.4%; Score 22; DB 3; Length 7;  
Best Local Similarity 57.1%; Pred. No. 3e+05; 3; Indels 0; Gaps 0;  
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 FIKRVSN 7  
Db 1 FFKRTKN 7

RESULT 6

US-09-201-945-196  
Sequence 196, Application US/09201945  
Patent No. 6342215  
GENERAL INFORMATION:

APPLICANT: David William Holden  
TITLE OF INVENTION: Identification of Genes  
NUMBER OF SEQUENCES: 501  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Patrea L. Pabst  
STREET: 2800 One Atlantic Center  
STREET: 1201 West Peachtree Street  
CITY: Atlanta  
STATE: Georgia  
COUNTRY: USA  
ZIP: 30309-3450  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/201,945  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA: 08/637,759  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Pabst, Patrea L.  
REGISTRATION NUMBER: 31,284  
REFERENCE/DOCKET NUMBER: RPS 101  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (404) 873-8795  
TELEFAX: (404) 873-8795  
INFORMATION FOR SEQ ID NO: 196:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO

Query Match 52.4%; Score 22; DB 4; Length 7;  
Best Local Similarity 57.1%; Pred. No. 3e+05; 3; Indels 0; Gaps 0;  
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 FIKRVSN 7  
Db 1 FFKRTKN 7

RESULT 7

US-09-463-129B-6  
Sequence 6, Application US/09463129B  
Patent No. 6410024  
GENERAL INFORMATION:  
APPLICANT: BURNIE, James P  
TITLE OF INVENTION: Epitopes of Shigella Like Toxin and Their Use as a  
FILE REFERENCE: 264666  
CURRENT APPLICATION NUMBER: US/09/463,129B  
CURRENT FILING DATE: 2000-01-20  
PRIOR FILING DATE: 1997-07-21  
PRIOR APPLICATION NUMBER: PCT/GB98/02156  
PRIOR FILING DATE: 1998-07-17  
NUMBER OF SEQ ID NOS: 14  
SOFTWARE: Patent in Ver. 2.1  
SEQ ID NO 6  
LENGTH: 7  
TYPE: PRT  
ORGANISM: Escherichia coli  
US-09-463-129B-6

Query Match 52.4%; Score 22; DB 4; Length 7;  
Best Local Similarity 80.0%; Pred. No. 3e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 RVSNV 8  
DB 3 RISNV 7

RESULT 8  
US-09-190-964-11  
; Sequence 11, Application US/09190964  
; Patent No. 6228989  
; GENERAL INFORMATION:  
; APPLICANT: Traugh, Jolinda A.  
; APPLICANT: Tuazon, Polygena T.  
; TITLE OF INVENTION: Peptide Substrates Phosphorylated By P21-Activated  
; TITLE OF INVENTION: Protein Kinase  
; FILE REFERENCE: 1279-276/988425  
; CURRENT APPLICATION NUMBER: US/09/190,964  
; CURRENT FILING DATE: 1998-11-13  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
; US-09-190-964-11

Query Match 50.0%; Score 21; DB 3; Length 8;  
Best Local Similarity 42.9%; Pred. No. 3e+05;  
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 2 IKRVSNV 8  
DB 2 VKRISGL 8

RESULT 9  
US-08-405-647B-2  
; Sequence 2, Application US/08405647B  
; Patent No. 6124262  
; GENERAL INFORMATION:  
; APPLICANT: Sherman, Irwin W.  
; APPLICANT: Crandall, Ian E.  
; APPLICANT: Shohet, Stephen B.  
; APPLICANT: Thewissen, Bernard Jean-Marie  
; TITLE OF INVENTION: Compositions and Methods for Reducing  
; TITLE OF INVENTION: Adhesiveness of Defective Red Blood Cells  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/405,647B  
; FILING DATE: 17-MAR-1995  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Weber, Kenneth A.  
; REGISTRATION NUMBER: 31,677

REFERENCE/DOCKET NUMBER: 02307E-068700US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-405-647B-2

Query Match 47.6%; Score 20; DB 3; Length 6;  
Best Local Similarity 60.0%; Pred. No. 3e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 PIKRV 5  
DB 1 YVKRV 5

RESULT 10  
US-08-985-499-2  
; Sequence 2, Application US/08985499  
; Patent No. 6191103  
; GENERAL INFORMATION:  
; APPLICANT: Shohet, Stephen B.  
; APPLICANT: Sherman, Irwin  
; APPLICANT: von Andrian, Ulrich  
; TITLE OF INVENTION: Methods for Enhancing Thrombolysis in a  
; TITLE OF INVENTION: Mammal  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/985,499  
; FILING DATE: 05-DEC-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hyman, Laurence J.  
; REGISTRATION NUMBER: 35,551  
; REFERENCE/DOCKET NUMBER: 02307E-084500US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-985-499-2

Query Match 47.6%; Score 20; DB 3; Length 6;  
Best Local Similarity 60.0%; Pred. No. 3e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 PIKRV 5  
DB 1 YVKRV 5

```
RESULT 11
PCT-US96-03180-2
; Sequence 2, Application PC/TUS9603180
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University
; APPLICANT: of California
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REDUCING
; TITLE OF INVENTION: ADHESIVENESS OF DEFECTIVE RED BLOOD CELLS
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Robbins, Berliner & Carson
; STREET: 201 North Figueroa Street, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90012-2628
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/03180
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Berliner, Robert
; REGISTRATION NUMBER: 20,121
; REFERENCE/DOCKET NUMBER: 5555-370
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 977-1001
; TELEFAX: (213) 977-1003
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US96-03180-2

Query Match 47.6%; Score 20; DB 5; Length 6;
Best Local Similarity 60.0%; Pred. No. 3e+05;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTKRV 5
DB 1 YVKRV 5

RESULT 12
US-08-438-123-2
; Sequence 2, Application US/08438123
; Patent No. 5552293
; GENERAL INFORMATION:
; APPLICANT: Lindholm et al
; TITLE OF INVENTION: TUMOR ANTIGEN SPECIFIC ANTIBODY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lowe, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,123
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,350
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: J.G. Mullins
; REGISTRATION NUMBER: 33073
; REFERENCE/DOCKET NUMBER: 149-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 684 1111
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
US-08-438-123-10

Query Match 47.6%; Score 20; DB 1; Length 9;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
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; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,350
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: J.G. Mullins
; REGISTRATION NUMBER: 33073
; REFERENCE/DOCKET NUMBER: 149-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 684 1111
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
US-08-438-123-2

Query Match 47.6%; Score 20; DB 1; Length 7;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 4 RVSNVI 9
DB 1 RMSNLV 6

RESULT 13
US-08-438-123-10
; Sequence 10, Application US/08438123
; Patent No. 5552293
; GENERAL INFORMATION:
; APPLICANT: Lindholm et al
; TITLE OF INVENTION: TUMOR ANTIGEN SPECIFIC ANTIBODY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lowe, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,123
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,350
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: J.G. Mullins
; REGISTRATION NUMBER: 33073
; REFERENCE/DOCKET NUMBER: 149-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 684 1111
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Polypeptide
US-08-438-123-10

Query Match 47.6%; Score 20; DB 1; Length 9;
Best Local Similarity 50.0%; Pred. No. 3e+05;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
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Qy 4 RVSNVI 9  
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Db 1 RMSNLV 6

RESULT 14  
US-08-403-459-1  
; Sequence 1, Application US/08403459  
; Patent No. 6514942  
; GENERAL INFORMATION:  
; APPLICANT: Ioannides, Constantin G.  
; APPLICANT: Pisk, Bryan A.  
; APPLICANT: Ioannides, Maria G.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING  
; TITLE OF INVENTION: T-LYMPHOCYTES  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: United States of America  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/403.459  
; FILING DATE: Concurrently Herewith  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kitchell, Barbara S.  
; REGISTRATION NUMBER: 33,928  
; REFERENCE/DOCKET NUMBER: UTSC:390/KIT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (512) 418-3000  
; TELEFAX: (713) 789-2679  
; TELEX: 79-0924  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-403-459-1

Query Match 47.6%; Score 20; DB 4; Length 9;  
Best Local Similarity 57.1%; Pred. NO. 3e+05;  
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 IKRVSNV 8  
:||||:  
Db 3 VKESKV 9

RESULT 15  
US-08-531-525-1  
; Sequence 1, Application US/08531525  
; Patent No. 5840683  
; GENERAL INFORMATION:  
; APPLICANT: Hlavka, Joseph J.  
; APPLICANT: Pincus, Matthew R.  
; APPLICANT: No. 5840683le, John F.  
; APPLICANT: Abajian, Henry B.  
; APPLICANT: Kenge, Andrew S.  
; TITLE OF INVENTION: Peptides Inhibiting the Oncogenic Action  
; TITLE OF INVENTION: Of P21 Ras  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Greenlee and Winner, P.C.  
; STREET: 5370 Manhattan Circle, Suite 201  
; CITY: Boulder  
; STATE: Colorado  
; COUNTRY: US  
; ZIP: 80303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/531.525  
; FILING DATE: 21-SEP-1995  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ferber, Donna M.  
; REGISTRATION NUMBER: 33,878  
; REFERENCE/DOCKET NUMBER: 37-94  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (303) 499-8080  
; TELEFAX: (303) 499-8089  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
US-08-531-525-1

Query Match 45.2%; Score 19; DB 2; Length 6;  
Best Local Similarity 66.7%; Pred. NO. 3e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 IKRVSNV 7  
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Db 1 IKRVKD 6

Search completed: April 29, 2004, 10:34:43  
Job time : 24 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 10:41:13 ; Search time 41 Seconds  
(without alignments)  
60.846 Million cell updates/sec

Title: US-09-308-027A-4  
Perfect score: 42  
Sequence: 1 FIKRVSNVI 9

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues  
Total number of hits satisfying chosen parameters: 108479

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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2	36	85.7	9	14	Sequence 7, Appli
3	23	54.8	8	15	Sequence 14, Appl
4	23	54.8	8	15	Sequence 367, App
5	22	52.4	7	12	Sequence 368, App
6	22	52.4	8	14	Sequence 6, Appli
7	21	50.0	8	10	Sequence 19, Appl
8	21	50.0	8	15	Sequence 11, Appl
9	21	50.0	9	15	Sequence 370, App
10	21	50.0	9	12	Sequence 122, App
11	21	50.0	9	12	Sequence 28, Appl
12	21	50.0	9	14	Sequence 122, App
13	20	47.6	8	9	Sequence 650, App
14	20	47.6	8	9	Sequence 43, Appl
15	20	47.6	9	13	Sequence 13, Appl
			9	14	Sequence 1, Appli
			9	14	US-10-001-546-1

16	20	47.6	9	15	US-10-117-937-372	Sequence 372, App
17	19	45.2	6	15	US-10-394-980-306	Sequence 306, App
18	19	45.2	7	14	US-10-319-340-21	Sequence 21, Appl
19	19	45.2	8	9	US-09-185-908-230	Sequence 230, Appl
20	19	45.2	8	9	US-09-185-908-239	Sequence 239, App
21	19	45.2	9	9	US-09-905-846-8	Sequence 8, Appli
22	19	45.2	9	9	US-09-185-908-231	Sequence 231, App
23	19	45.2	9	9	US-09-185-908-240	Sequence 240, App
24	19	45.2	9	12	US-10-013-312-207	Sequence 207, App
25	19	45.2	9	12	US-10-013-312-323	Sequence 323, App
26	19	45.2	9	12	US-10-013-312-404	Sequence 404, App
27	19	45.2	9	12	US-10-013-312-1419	Sequence 1419, App
28	19	45.2	9	12	US-10-013-312-1568	Sequence 1568, Ap
29	19	45.2	9	12	US-10-013-312-1701	Sequence 1701, Ap
30	19	45.2	9	12	US-10-013-312-1815	Sequence 1815, Ap
31	19	45.2	9	12	US-10-013-312-1839	Sequence 1839, Ap
32	19	45.2	9	12	US-10-013-312-1920	Sequence 1920, Ap
33	19	45.2	9	12	US-10-013-312-2039	Sequence 2039, Ap
34	19	45.2	9	15	US-10-192-407C-8	Sequence 8, Appli
35	18	42.9	4	9	US-09-834-765-724	Sequence 724, App
36	18	42.9	5	14	US-10-257-050-20	Sequence 20, Appl
37	18	42.9	6	9	US-09-727-963A-96	Sequence 96, Appl
38	18	42.9	6	10	US-09-997-961-36	Sequence 36, Appl
39	18	42.9	6	14	US-10-348-232-68	Sequence 68, Appl
40	18	42.9	7	9	US-09-813-718-38	Sequence 38, Appl
41	18	42.9	7	9	US-09-185-908-229	Sequence 229, App
42	18	42.9	7	9	US-09-185-908-238	Sequence 238, App
43	18	42.9	7	14	US-10-348-232-172	Sequence 172, App
44	18	42.9	7	15	US-10-240-532-38	Sequence 38, Appl
45	18	42.9	8	12	US-10-462-452-544	Sequence 544, App

## ALIGNMENTS

RESULT 1  
US-10-354-240-7  
; Sequence 7, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354.240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 7  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-10-354-240-7

Query Match 100.0%; Score 42; DB 14; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1e-06;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FIKRVSNVI 9  
| | | | |  
Db 1 FIKRVSNVI 9

RESULT 2  
US-10-354-240-14  
; Sequence 14, Application US/10354240

```

; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinozi
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kousuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-10301
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 14
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Cryptosporidia japonica
; US-10-354-240-14

Query Match      85.7%; Score 36; DB 14; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 IKRVSNVI 9
Db 2 IKRVSNVI 9

RESULT 3
US-10-117-937-367
; Sequence 367, Application US/10117937
; Publication No. US20030220239A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTIMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 367
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-117-937-367

Query Match      54.8%; Score 23; DB 15; Length 8;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 2; Indels 2; Gaps 0;

QY 2 IKRVSNVI 9
Db 1 VKRKNVL 8

RESULT 4
US-10-117-937-368
; Sequence 368, Application US/10117937
; Publication No. US20030220239A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTIMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 367
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-117-937-367

Query Match      54.8%; Score 23; DB 15; Length 8;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 2; Indels 2; Gaps 0;

QY 2 IKRVSNVI 9
Db 1 VKRKNVL 8

RESULT 5
US-10-157-240-6
; Sequence 6, Application US/10157240
; Publication No. US20030065145A1
; GENERAL INFORMATION:
; APPLICANT: BURNIE, James P
; APPLICANT: MATTHEWS, Ruth C
; TITLE OF INVENTION: Epitopes of Shigella Like Toxin and Their Use as a
; FILE REFERENCE: 264666
; CURRENT APPLICATION NUMBER: US/10/157,240
; CURRENT FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: US/09/463,129
; PRIOR FILING DATE: 2000-01-20
; PRIOR APPLICATION NUMBER: GB 9715177.3
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: PCT/GB98/02156
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 6
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-10-157-240-6

Query Match      52.4%; Score 22; DB 12; Length 7;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 RVSNV 8
Db 3 RISNV 7

RESULT 6
US-10-257-050-19
; Sequence 19, Application US/10257050
; Publication No. US20030165999A1
; GENERAL INFORMATION:

```

```

; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTIMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 368
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-117-937-368

Query Match      54.8%; Score 23; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 IKRVSNVI 9
Db 2 VKRKNVL 9

RESULT 5
US-10-157-240-6
; Sequence 6, Application US/10157240
; Publication No. US20030065145A1
; GENERAL INFORMATION:
; APPLICANT: BURNIE, James P
; APPLICANT: MATTHEWS, Ruth C
; TITLE OF INVENTION: Epitopes of Shigella Like Toxin and Their Use as a
; FILE REFERENCE: 264666
; CURRENT APPLICATION NUMBER: US/10/157,240
; CURRENT FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: US/09/463,129
; PRIOR FILING DATE: 2000-01-20
; PRIOR APPLICATION NUMBER: GB 9715177.3
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: PCT/GB98/02156
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 6
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-10-157-240-6

Query Match      52.4%; Score 22; DB 12; Length 7;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 RVSNV 8
Db 3 RISNV 7

RESULT 6
US-10-257-050-19
; Sequence 19, Application US/10257050
; Publication No. US20030165999A1
; GENERAL INFORMATION:

```

```
/ APPLICANT: ISHIDA, Yuichi
/ TITLE OF INVENTION: Antihypertensive agent
/ FILE REFERENCE: 3190-021
/ CURRENT APPLICATION NUMBER: US/10/257,050
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: PCT/JP01/03034
/ PRIOR FILING DATE: 2001-04-09
/ PRIOR APPLICATION NUMBER: JP P2000-108670
/ PRIOR FILING DATE: 2000-04-10
/ NUMBER OF SEQ ID NOS: 26
/ SOFTWARE: PatentIn Ver. 3.1
/ SEQ ID NO 19
/ LENGTH: 8
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-257-050-19

Query Match      52.4%; Score 22; DB 14; Length 8;
Best Local Similarity 37.5%; Pred. No. 1e+06;
Matches 3; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      1 FIKRVSNV 8
Db      1 FLKRMPSI 8

RESULT 7
US-09-827-542-11
/ Sequence 11, Application US/09827542
/ Publication No. US2003008057A1
/ GENERAL INFORMATION:
/ APPLICANT: Traugh, Jolinda A.
/ APPLICANT: Tauzon, Polygena T.
/ TITLE OF INVENTION: Peptide Substrates Phosphorylated By P21-Activated
/ TITLE OF INVENTION: Protein Kinase
/ FILE REFERENCE: UC Case No. US2003008057A1 1999-035-2/Traugh et al.
/ CURRENT APPLICATION NUMBER: US/09/827,542
/ CURRENT FILING DATE: 2001-04-06
/ PRIOR APPLICATION NUMBER: 09/190,964
/ PRIOR FILING DATE: 1998-11-13
/ NUMBER OF SEQ ID NOS: 31
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 11
/ LENGTH: 8
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-827-542-11

Query Match      50.0%; Score 21; DB 10; Length 8;
Best Local Similarity 42.9%; Pred. No. 1e+06;
Matches 3; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      2 IKRVSNV 8
Db      2 VKRISGL 8

RESULT 8
US-10-117-937-370
/ Sequence 370, Application US/10117937
/ Publication No. US20030220239A1
/ GENERAL INFORMATION:
/ APPLICANT: CTL IMMUNO THERAPIES CORP.
/ APPLICANT: SIMARD, John, J.L.
/ APPLICANT: DIAMOND, David, C.
/ APPLICANT: LIU, Liping
/ APPLICANT: XIE, Zhidong
/ TITLE OF INVENTION: EPITOPE SEQUENCES
/ FILE REFERENCE: CTLMN.027A
/ CURRENT APPLICATION NUMBER: US/10/117,937

/ APPLICANT: ISHIDA, Yuichi
/ TITLE OF INVENTION: Antihypertensive agent
/ FILE REFERENCE: 3190-021
/ CURRENT APPLICATION NUMBER: US/10/257,050
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: PCT/JP01/03034
/ PRIOR FILING DATE: 2001-04-09
/ PRIOR APPLICATION NUMBER: JP P2000-108670
/ PRIOR FILING DATE: 2000-04-10
/ NUMBER OF SEQ ID NOS: 26
/ SOFTWARE: PatentIn Ver. 3.1
/ SEQ ID NO 19
/ LENGTH: 8
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-117-937-370

Query Match      50.0%; Score 21; DB 15; Length 8;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      2 IKRVSNV 8
Db      2 VKRKNV 8

RESULT 9
US-09-824-787B-122
/ Sequence 122, Application US/09824787B
/ Patent No. US20020155447A1
/ GENERAL INFORMATION:
/ APPLICANT: Zaudeter, Maurice
/ APPLICANT: Evans, Elizabeth E.
/ APPLICANT: Borrello, Melinda A.
/ TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
/ TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
/ FILE REFERENCE: 1821.0040001
/ CURRENT APPLICATION NUMBER: US/09/824,787B
/ CURRENT FILING DATE: 2001-04-04
/ PRIOR APPLICATION NUMBER: 60/194,463
/ PRIOR FILING DATE: 2000-04-04
/ NUMBER OF SEQ ID NOS: 147
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 122
/ LENGTH: 9
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-824-787B-122

Query Match      50.0%; Score 21; DB 9; Length 9;
Best Local Similarity 66.7%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      2 IKRVSN 7
Db      1 IRRASN 6

RESULT 10
US-10-363-791-28
/ Sequence 28, Application US/10363791
/ Publication No. US20040029197A1
/ GENERAL INFORMATION:
/ APPLICANT: TAKIMOTO, Masato
/ APPLICANT: KUZUMAKI, No. US20040029197A1oru
/ APPLICANT: SATO, No. US20040029197A1iyuki
/ APPLICANT: SAHARA, Hiroeki
/ TITLE OF INVENTION: A novel human cancer/testis-associated gene thereof
/ FILE REFERENCE: 4439-4005
/ CURRENT APPLICATION NUMBER: US/10/363,791
/ CURRENT FILING DATE: 2003-03-07
/ PRIOR APPLICATION NUMBER: JP 2000-274218
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 227
/ SOFTWARE: PatentIn version 3.2
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; SEQ ID NO 28
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-363-791-28

Query Match
Best Local Similarity 50.0%; Score 21; DB 12; Length 9;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FIKRV 5
Db 5 FIKRL 9

RESULT 11
US-10-457-829-122
; Sequence 122, Application US/10457829
; Publication No. US20040063907A1
; GENERAL INFORMATION:
; APPLICANT: Zauderer, Maurice
; APPLICANT: Evans, Elizabeth E.
; APPLICANT: Borrello, Melinda A.
; TITLE OF INVENTION: A Gene Differentially Expressed in Breast and
; TITLE OF INVENTION: Bladder Cancer, and Encoded Polypeptides
; FILE REFERENCE: 1821.0040005
; CURRENT APPLICATION NUMBER: US/10/457,829
; CURRENT FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: US 60/464,650
; PRIOR FILING DATE: 2003-04-23
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 122
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-457-829-122

Query Match
Best Local Similarity 50.0%; Score 21; DB 12; Length 9;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 IKRVSN 7
Db 1 IRRASN 6

RESULT 12
US-10-239-313A-650
; Sequence 650, Application US/10239313A
; Publication No. US20030175285A1
; GENERAL INFORMATION:
; APPLICANT: KLINGUER - HAMOUR, Christine
; APPLICANT: CORVAIA, Nathalie
; APPLICANT: BECK, Alain
; APPLICANT: GOETSCH, Liliane
; TITLE OF INVENTION: MOLECULE OF PHARMACEUTICAL INTEREST COMPRISING AT ITS
; TITLE OF INVENTION: N-TERMINAL A GLUTAMIC ACID OR A GLUTAMINE IN THE FORM
; TITLE OF INVENTION: OF A PHYSIOLOGICALLY ACCEPTABLE STRONG ACID
; FILE REFERENCE: 343 727 - US
; CURRENT APPLICATION NUMBER: US/10/239,313A
; CURRENT FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: FR 00/03711
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT 01/70772
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 697
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 650
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-239-313A-650

; SEQ ID NO 28
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-363-791-28

Query Match
Best Local Similarity 50.0%; Score 21; DB 14; Length 9;
Matches 2; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1 FIKRVSN 7
Db 2 YLKIKVN 8

RESULT 13
US-09-950-313-43
; Sequence 43, Application US/09950313
; Patent No. US20020102610A1
; GENERAL INFORMATION:
; APPLICANT: TOWNSEND, ROBERT
; APPLICANT: ROBINSON, ANDREW
; TITLE OF INVENTION: AUTOMATED IDENTIFICATION OF PEPTIDES
; FILE REFERENCE: 9195-064
; CURRENT APPLICATION NUMBER: US/09/950,313
; CURRENT FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: UK 0022,136.6
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,273
; PRIOR FILING DATE: 2000-09-13
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-950-313-43

Query Match
Best Local Similarity 47.6%; Score 20; DB 9; Length 8;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 VSNVI 9
Db 3 VSNVL 7

RESULT 14
US-10-042-202-13
; Sequence 13, Application US/10042202
; Publication No. US20020136733A1
; GENERAL INFORMATION:
; APPLICANT: Adrian Vivian Sinton HILL, Michael AIDOO,
; Catherine Elizabeth Margaret ALLSOFF, Ajit LALVANI, Magdalena
; PLEBANSKI, Hilton Carter WHITTLE,
; TITLE OF INVENTION: MALARIA PEPTIDES
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WENDEROTH, LIND & PONACK, L.L.P.
; STREET: 2033 K Street, N.W., Suite 800,
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20006-1021
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPad for Windows 95
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/042,202
; FILING DATE: 11-Jan-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/714,175
; FILING DATE: 28-JAN-1997
; APPLICATION NUMBER: WO PCT/GB95/26982
; FILING DATE: 30-MAR-1995
; APPLICATION NUMBER: GB 9406492.0
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FILING DATE: 31-MAR-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Warren M Cheek, Jr.  
 REGISTRATION NUMBER: 33,367  
 REFERENCE/DOCKET NUMBER: 2002\_0026  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202)-721-8200  
 TELEFAX: (202)-721-8250  
 TELEX: <Unknown>  
 INFORMATION FOR SEQ ID NO: 13:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 9 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: <Unknown>  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
 US-10-042-202-13

Query Match 47.6%; Score 20; DB 13; Length 9;  
 Best Local Similarity 37.5%; Pred. No. 1e+06; 2; Indels 0; Gaps 0;  
 Matches 3; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 2 IKRVSNVI 9  
 :|::||  
 Db 1 LKKIKNSI 8

RESULT 15  
 US-10-001-546-1  
 ; Sequence 1, Application US/10001546  
 ; Publication No. US2003002766A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: IOANNIDES, CONSTANTIN G.  
 ; APPLICANT: FISK, BRYAN A.  
 ; APPLICANT: IOANNIDES, MARIA G.  
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING  
 ; TITLE OF INVENTION: T-LYMPHOCYTES  
 ; FILE REFERENCE: UTSC:390USC2  
 ; CURRENT APPLICATION NUMBER: US/10/001,546  
 ; CURRENT FILING DATE: 2001-10-31  
 ; PRIOR APPLICATION NUMBER: 08/403,459  
 ; PRIOR FILING DATE: 1995-03-14  
 ; NUMBER OF SEQ ID NOS: 68  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 ; OTHER INFORMATION: Peptide  
 US-10-001-546-1

Query Match 47.6%; Score 20; DB 14; Length 9;  
 Best Local Similarity 57.1%; Pred. No. 1e+06; 2; Indels 0; Gaps 0;  
 Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 IKRVSNV 8  
 :|::||  
 Db 3 VKEVSKV 9

Search completed: April 29, 2004, 10:47:36  
 Job time : 41 secs

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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-3  
Perfect score: 80  
Sequence: 1 PCVFKRVSNIHG 15  
Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues  
Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
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2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
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6: /cgn2\_6/ptodata/2/iaa/backfiles.pep.\*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	29	36.2	11	5	PCT-US93-05325-15
3	29	36.2	11	5	PCT-US93-05325-15
4	29	36.2	15	5	PCT-US93-05325-15
5	29	36.2	15	5	PCT-US93-05325-15
6	28	35.0	15	4	US-09-347-504-42
7	28	35.0	15	4	US-10-161-499-42
8	27.5	34.4	15	4	US-10-161-499-59
9	27.5	34.4	15	4	US-10-161-499-59
10	27	33.8	11	4	US-09-380-836-12
11	26	32.5	11	1	US-08-477-727A-56
12	26	32.5	12	4	US-09-462-118-13
13	26	32.5	13	3	US-09-040-216-10
14	26	32.5	15	3	US-09-100-414B-6
15	26	32.5	15	3	US-09-303-323-6
16	26	32.5	15	4	US-09-770-014-6
17	25	31.2	10	1	US-07-930-649-5
18	25	31.2	10	3	PCT-US93-05235-5
19	25	31.2	11	1	US-07-778-233B-37
20	25	31.2	11	1	US-07-963-321-37
21	25	31.2	11	1	US-07-932-200-14
22	25	31.2	11	1	US-08-290-641-37
23	25	31.2	11	1	US-08-548-540-37
24	25	31.2	11	2	US-08-387-749-14
25	25	31.2	11	4	US-09-567-003C-6
26	25	31.2	11	5	PCT-US93-08231-14
27	25	31.2	11	5	PCT-US96-09809-37

28	25	31.2	12	3	US-08-660-092-216	Sequence 216, Appl
29	25	31.2	12	4	US-09-160-513-216	Sequence 216, Appl
30	24	30.0	8	6	5171845-5	Patent No. 5171845
31	24	30.0	10	1	US-08-343-943-6	Sequence 6, Appl
32	24	30.0	10	3	US-08-836-075A-187	Sequence 187, Appl
33	24	30.0	11	1	US-08-343-943-11	Sequence 11, Appl
34	24	30.0	11	4	US-09-380-836-10	Sequence 10, Appl
35	24	30.0	11	4	US-09-380-836-11	Sequence 11, Appl
36	24	30.0	12	1	US-07-778-233B-48	Sequence 48, Appl
37	24	30.0	12	1	US-07-963-321-48	Sequence 48, Appl
38	24	30.0	12	1	US-08-290-641-48	Sequence 48, Appl
39	24	30.0	12	1	US-08-548-540-48	Sequence 48, Appl
40	24	30.0	12	5	PCT-US96-09809-48	Sequence 48, Appl
41	24	30.0	13	1	US-07-932-200-12	Sequence 12, Appl
42	24	30.0	13	1	US-08-486-057B-24	Sequence 24, Appl
43	24	30.0	13	2	US-08-387-749-12	Sequence 12, Appl
44	24	30.0	13	2	US-08-789-583-24	Sequence 24, Appl
45	24	30.0	13	5	PCT-US93-08231-12	Sequence 12, Appl

## ALIGNMENTS

RESULT 1  
US-09-380-836-16  
; Sequence 16, Application US/09380836  
; Patent No. 6551775  
; GENERAL INFORMATION:  
; APPLICANT: Lifton, Richard P.  
; APPLICANT: Chang, Sue S.  
; APPLICANT: Rossier, Bernard C.  
; TITLE OF INVENTION: Method to Diagnose and Treat Pathological Conditions  
; TITLE OF INVENTION: Resulting from Deficient Ion Transport such as  
; TITLE OF INVENTION: Pseudohypoaldosteronism Type-1  
; FILE REFERENCE: 44574-5018-US  
; CURRENT APPLICATION NUMBER: US/09/380,836  
; CURRENT FILING DATE: 2000-04-27  
; PRIOR APPLICATION NUMBER: US 60/040,171  
; PRIOR FILING DATE: 1997-03-11  
; PRIOR APPLICATION NUMBER: PCT/US98/04681  
; PRIOR FILING DATE: 1998-03-11  
; NUMBER OF SEQ ID NOS: 106  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 16  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Segment of delta ENaC protein  
US-09-380-836-16

Query Match 36.2%; Score 29; DB 4; Length 11;  
Best Local Similarity 71.4%; Pred. No. 81;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 9 SNVIHG 15  
DB 2 TNALHG 8

RESULT 2  
PCT-US93-05325-16  
; Sequence 16, Application PC/TUS9305325  
; GENERAL INFORMATION:  
; APPLICANT: SRI INTERNATIONAL  
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO ACTIVE DOMAINS  
; TITLE OF INVENTION: OF PLATELET-DERIVED GROWTH FACTOR (PDGF)  
; NUMBER OF SEQUENCES: 39  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: SRI INTERNATIONAL ATTN: INTELLECTUAL PROPERTY  
; ADDRESSEE: COUNSEL  
; STREET: 333 Ravenswood Avenue  
; CITY: Menlo Park

Thu Apr 29 11:08:52 2004

us-09-308-027a-3.closed.ra1

STATE: California  
COUNTRY: USA  
ZIP: 94025  
COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/05325  
FILING DATE: 19930603  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/894,497  
FILING DATE: 05-JUN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CLARK, JANET P.  
REGISTRATION NUMBER: 34,799  
REFERENCE/DOCKET NUMBER: PCT-2679  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 859-2446  
TELEFAX: (415) 859-3880  
TELEX: 334486  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US93-05325-16

Query Match 36.2%; Score 29; DB 5; Length 11;  
Best Local Similarity 55.6%; Pred. No. 81;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 1 PCVFIKRV 9  
||| :|||  
DB 3 PCVEVQRCS 11

RESULT 3  
PCT-US93-05325-36  
Sequence 36, Application PC/TUS9305325  
GENERAL INFORMATION:  
APPLICANT: SRI, INTERNATIONAL  
TITLE OF INVENTION: PEPTIDES CORRESPONDING TO ACTIVE DOMAINS  
TITLE OF INVENTION: OF PLATELET-DERIVED GROWTH FACTOR (PDGF)  
NUMBER OF SEQUENCES: 39  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SRI INTERNATIONAL ATTN: INTELLECTUAL PROPERTY  
ADDRESS: COUNSEL  
STREET: 333 Ravenswood Avenue  
CITY: Menlo Park  
STATE: California  
COUNTRY: USA  
ZIP: 94025  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/05325  
FILING DATE: 19930603  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/894,497  
FILING DATE: 05-JUN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CLARK, JANET P.  
REGISTRATION NUMBER: 34,799  
REFERENCE/DOCKET NUMBER: PCT-2679  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 859-2446  
TELEFAX: (415) 859-3880  
TELEX: 334486  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Disulfide-bond  
LOCATION: 4  
OTHER INFORMATION: /note= "This position has disulfide  
OTHER INFORMATION: bond to corresponding position on identical  
OTHER INFORMATION: sequence."  
FEATURE:  
NAME/KEY: Disulfide-bond  
LOCATION: 10  
OTHER INFORMATION: /note= "This position has disulfide  
OTHER INFORMATION: bond to corresponding position on identical  
OTHER INFORMATION: sequence."  
PCT-US93-05325-36

Query Match 36.2%; Score 29; DB 5; Length 11;  
Best Local Similarity 55.6%; Pred. No. 81;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 1 PCVFIKRV 9  
||| :|||  
DB 3 PCVEVQRCS 11

RESULT 4  
PCT-US93-05325-15  
Sequence 15, Application PC/TUS9305325  
GENERAL INFORMATION:  
APPLICANT: SRI, INTERNATIONAL  
TITLE OF INVENTION: PEPTIDES CORRESPONDING TO ACTIVE DOMAINS  
TITLE OF INVENTION: OF PLATELET-DERIVED GROWTH FACTOR (PDGF)  
NUMBER OF SEQUENCES: 39  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SRI INTERNATIONAL ATTN: INTELLECTUAL PROPERTY  
ADDRESS: COUNSEL  
STREET: 333 Ravenswood Avenue  
CITY: Menlo Park  
STATE: California  
COUNTRY: USA  
ZIP: 94025  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/05325  
FILING DATE: 19930603  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/894,497  
FILING DATE: 05-JUN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CLARK, JANET P.  
REGISTRATION NUMBER: 34,799  
REFERENCE/DOCKET NUMBER: PCT-2679  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 859-2446  
TELEFAX: (415) 859-3880  
TELEX: 334486  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear

MOLECULE TYPE: peptide  
PCT-US93-05325-15

Query Match 36.2%; Score 29; DB 5; Length 15;  
Best Local Similarity 55.6%; Pred. No. 1.1e+02;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 PCVFIKRVVS 9  
DB 7 PCVEVQRCS 15

RESULT 5  
PCT-US93-05325-35  
; Sequence 35, Application PC/TUS9305325  
; GENERAL INFORMATION:  
; APPLICANT: SRI, INTERNATIONAL  
; TITLE OF INVENTION: PEPTIDES CORRESPONDING TO ACTIVE DOMAINS  
; TITLE OF INVENTION: OF PLATELET-DERIVED GROWTH FACTOR (PDGF)  
; NUMBER OF SEQUENCES: 39  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SRI INTERNATIONAL ATTN: INTELLECTUAL PROPERTY  
; ADDRESS: COUNSEL  
; STREET: 333 Ravenswood Avenue  
; CITY: Menlo Park  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94025  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US93/05325  
; FILING DATE: 19930603  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/894,497  
; FILING DATE: 05-JUN-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CLARK, JANET P.  
; REGISTRATION NUMBER: 34,799  
; REFERENCE/DOCKET NUMBER: PCT-2679  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 859-2446  
; TELEFAX: (415) 859-3880  
; TELEX: 334486  
; INFORMATION FOR SEQ ID NO: 35:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 15 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Disulfide-bond  
; LOCATION: 8  
; OTHER INFORMATION: /note= "This position has disulfide  
; OTHER INFORMATION: bond to corresponding position of identical  
; OTHER INFORMATION: sequence."  
; FEATURE:  
; NAME/KEY: Disulfide-bond  
; LOCATION: 14  
; OTHER INFORMATION: /note= "This position has disulfide  
; OTHER INFORMATION: bond to corresponding position of identical  
; OTHER INFORMATION: sequence."  
PCT-US93-05325-35

Query Match 36.2%; Score 29; DB 5; Length 15;  
Best Local Similarity 55.6%; Pred. No. 1.1e+02;  
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 PCVFIKRVVS 9

DB 7 PCVEVQRCS 15

RESULT 6  
US-09-347-504-42  
; Sequence 42, Application US/09347504  
; Patent No. 6399075  
; GENERAL INFORMATION:  
; APPLICANT: Howley, Peter M.  
; APPLICANT: Benson, John  
; APPLICANT: Kasukawa, Hiroaki  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING  
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS  
; FILE REFERENCE: HMV-041.01  
; CURRENT APPLICATION NUMBER: US/09/347,504  
; CURRENT FILING DATE: 1999-07-02  
; NUMBER OF SEQ ID NOS: 79  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 42  
; LENGTH: 15  
; TYPE: PPT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: HPV34  
US-09-347-504-42

Query Match 35.0%; Score 28; DB 4; Length 15;  
Best Local Similarity 50.0%; Pred. No. 1.7e+02;  
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 7 RVSNVLIH 14  
DB 5 RLENVLH 12

RESULT 7  
US-10-161-499-42  
; Sequence 42, Application US/10161499  
; Patent No. 6673354  
; GENERAL INFORMATION:  
; APPLICANT: Howley, Peter M.  
; APPLICANT: Benson, John  
; APPLICANT: Kasukawa, Hiroaki  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING  
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS  
; FILE REFERENCE: HMV-041.01  
; CURRENT APPLICATION NUMBER: US/10/161,499  
; CURRENT FILING DATE: 2002-06-03  
; PRIOR APPLICATION NUMBER: US/09/347,504  
; PRIOR FILING DATE: 1999-07-02  
; NUMBER OF SEQ ID NOS: 79  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 42  
; LENGTH: 15  
; TYPE: PPT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: HPV34  
US-10-161-499-42

Query Match 35.0%; Score 28; DB 4; Length 15;  
Best Local Similarity 50.0%; Pred. No. 1.7e+02;  
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 7 RVSNVLIH 14  
DB 5 RLENVLH 12

RESULT 8  
US-09-347-504-59  
; Sequence 59, Application US/09347504



```

; Patent No. 6399075
; GENERAL INFORMATION:
; APPLICANT: Howley, Peter M.
; APPLICANT: Benson, John
; APPLICANT: Kasukawa, Hiroaki
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS
; FILE REFERENCE: HMV-041.01
; CURRENT APPLICATION NUMBER: US/09/347,504
; CURRENT FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 59
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Pan Troglodytes
; FEATURE:
; OTHER INFORMATION: common PVI
US-09-347-504-59

Query Match      34.4%; Score 27.5; DB 4; Length 15;
Best Local Similarity 46.2%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 3; Gaps 1;

QY      2 CVFIKRVSNVILH 14
DB      3 CV---RYENVLLH 12

RESULT 9
US-10-161-499-59
; Sequence 59, Application US/10161499
; Patent No. 6673354
; GENERAL INFORMATION:
; APPLICANT: Howley, Peter M.
; APPLICANT: Benson, John
; APPLICANT: Kasukawa, Hiroaki
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS
; FILE REFERENCE: HMV-041.01
; CURRENT APPLICATION NUMBER: US/10/161,499
; CURRENT FILING DATE: 2002-06-03
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 59
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Pan Troglodytes
; FEATURE:
; OTHER INFORMATION: common PVI
US-10-161-499-59

Query Match      34.4%; Score 27.5; DB 4; Length 15;
Best Local Similarity 46.2%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 3; Gaps 1;

QY      2 CVFIKRVSNVILH 14
DB      3 CV---RYENVLLH 12

RESULT 10
US-09-380-836-12
; Sequence 12, Application US/09380836
; Patent No. 6551775
; GENERAL INFORMATION:
; APPLICANT: Lifton, Richard P.
; APPLICANT: Chang, Sue S.
; APPLICANT: Rossier, Bernard C.
; TITLE OF INVENTION: Method to Diagnose and Treat Pathological Conditions
; TITLE OF INVENTION: Resulting from Deficient Ion Transport such as

```

```

; TITLE OF INVENTION: Pseudohypocaldosteronism Type-1
; FILE REFERENCE: 44574-5018-US
; CURRENT APPLICATION NUMBER: US/09/380,836
; CURRENT FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/040,171
; PRIOR FILING DATE: 1997-03-11
; PRIOR APPLICATION NUMBER: PCI/US98/04681
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Xenopus laevis
; FEATURE:
; OTHER INFORMATION: Segment of alpha ENaC protein
US-09-380-836-12

Query Match      33.8%; Score 27; DB 4; Length 11;
Best Local Similarity 71.4%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      9 SNVIHIG 15
DB      2 SNTTTHG 8

RESULT 11
US-08-477-727A-56
; Sequence 56, Application US/08477727A
; Patent No. 5739106
; GENERAL INFORMATION:
; APPLICANT: Rink, Timothy
; APPLICANT: Young, Andrew
; APPLICANT: Beesley, Nigel
; APPLICANT: Prickett, Kathryn
; TITLE OF INVENTION: APPETITE REGULATING
; TITLE OF INVENTION: COMPOSITIONS
; NUMBER OF SEQUENCES: 108
; CORRESPONDENCE ADDRESS:
; ADDRESSER: LYON & LYON
; STREET: 633 WEST FIFTH STREET, SUITE 4700
; CITY: LOS ANGELES
; STATE: CA
; COUNTRY: USA
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,727A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: DUFT, BRADFORD J
; REGISTRATION NUMBER: 32,219
; REFERENCE/DOCKET NUMBER: 214/005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-552-8400
; TELEFAX: 619-552-0157
; TELEX:
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

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; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
US-08-477-727A-56

Query Match          32.5%; Score 26; DB 1; Length 11;
Best Local Similarity 33.3%; Pred. No. 2.7e+02;
Matches 3; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY      6 KRVSNNVIH 14
       :|:|:|:|
Db      3 QRLANFLVH 11

RESULT 12
US-09-462-118-13
; Sequence 13, Application US/09462118
; Patent No. 6610833
; GENERAL INFORMATION:
; APPLICANT: Rodman, Toby C.
; TITLE OF INVENTION: Monoclonal Human Natural Antibodies
; FILE REFERENCE: 4436/1G074-US1
; CURRENT APPLICATION NUMBER: US/09/462,118
; CURRENT FILING DATE: 1999-12-18
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Human
US-09-462-118-13

Query Match          32.5%; Score 26; DB 4; Length 12;
Best Local Similarity 30.0%; Pred. No. 2.9e+02;
Matches 3; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY      5 IKRVSNVIH 14
       :|:|:|:|
Db      3 VERLQVLLH 12

RESULT 13
US-09-040-216-10
; Sequence 10, Application US/09040216
; Patent No. 6030942
; GENERAL INFORMATION:
; APPLICANT: COOPERMAN, ET AL., BARRY
; TITLE OF INVENTION: PEPTIDES, PEPTIDE ANALOGS, PEPTIDOMIMETICS, AND OTHER
; TITLE OF INVENTION: SMALL MOLECULES USEFUL FOR INHIBITING THE ACTIVITY OF
; TITLE OF INVENTION: RIBONUCLEOTIDE REDUCTASE
; FILE REFERENCE: 9596-6301
; CURRENT APPLICATION NUMBER: US/09/040,216
; CURRENT FILING DATE: 1998-03-17
; EARLIER APPLICATION NUMBER: 08/919,748
; EARLIER FILING DATE: 1997-08-28
; EARLIER APPLICATION NUMBER: 60/025,146
; EARLIER FILING DATE: 1996-08-30
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: alpha13 helix-like region of murine R1
US-09-040-216-10

Query Match          32.5%; Score 26; DB 3; Length 13;
Best Local Similarity 62.5%; Pred. No. 3.2e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 PCVFIKRV 8

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Db      1 PDLFMKEV 8

RESULT 14
US-09-100-414B-6
; Sequence 6, Application US/09100414B
; Patent No. 6025468
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA: US/09/100,414B
; APPLICATION NUMBER: US/09/100,414B
; FILING DATE: 20-JUNE-1998
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-100-414B-6

Query Match          32.5%; Score 26; DB 3; Length 15;
Best Local Similarity 40.0%; Pred. No. 3.7e+02;
Matches 4; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY      5 IKRVSNVIH 14
       :|:|:|:|
Db      1 ISEIKGVIVH 10

RESULT 15
US-09-303-323-6
; Sequence 6, Application US/09303323
; Patent No. 6228987
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows

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; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/303,323
; FILING DATE: 30-APR-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/100,414
; FILING DATE: 20-JUNE-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-303-323-6

Query Match      32.5%; Score 26; DB 3; Length 15;
Best Local Similarity 40.0%; Pred. No. 3.7e+02;
Matches 4; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY      5 IKRVSNVTH 14
Db      1 ISEIKGVIVH 10

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Search completed: April 29, 2004, 09:27:27  
Job time : 11.85 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-3

Perfect score: 80  
Sequence: 1 PCVFKRVSNVIHG 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US05\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	80	100.0	15	14	US-10-354-240-36
2	80	100.0	15	14	US-10-354-240-159
3	80	100.0	15	14	US-10-354-240-163
4	74	92.5	14	14	US-10-354-240-169
5	73	91.2	14	14	US-10-354-240-164
6	66	82.5	13	14	US-10-354-240-170
7	64	80.0	13	14	US-10-354-240-13
8	64	80.0	13	14	US-10-354-240-165
9	64	80.0	13	14	US-10-354-240-174
10	62	77.5	12	14	US-10-354-240-171
11	60	75.0	12	14	US-10-354-240-166
12	58	72.5	11	14	US-10-354-240-172
13	54	67.5	10	14	US-10-354-240-173
14	54	67.5	11	14	US-10-354-240-167
15	54	67.5	15	14	US-10-354-240-35

16	50	62.5	10	14	US-10-354-240-168	Sequence 168, Appl
17	50	62.5	15	14	US-10-354-240-37	Sequence 37, Appl
18	42	52.5	9	14	US-10-354-240-7	Sequence 7, Appl
19	36	45.0	9	14	US-10-354-240-14	Sequence 14, Appl
20	30	37.5	15	14	US-10-354-240-34	Sequence 34, Appl
21	28	35.0	15	14	US-10-161-439-42	Sequence 42, Appl
22	27.5	34.4	15	14	US-10-161-499-59	Sequence 59, Appl
23	26	32.5	10	14	US-09-573-822C-24	Sequence 24, Appl
24	26	32.5	12	14	US-10-247-946-13	Sequence 13, Appl
25	26	32.5	12	14	US-10-251-536-13	Sequence 2, Appl
26	26	32.5	13	9	US-09-956-625-2	Sequence 19, Appl
27	26	32.5	14	14	US-10-060-102-19	Sequence 20, Appl
28	26	32.5	14	14	US-10-060-102-20	Sequence 35, Appl
29	26	32.5	15	10	US-09-747-802-35	Sequence 35, Appl
30	26	32.5	15	10	US-09-747-802-38	Sequence 38, Appl
31	26	32.5	15	10	US-09-747-802-42	Sequence 27, Appl
32	26	32.5	15	10	US-09-865-294-27	Sequence 30, Appl
33	26	32.5	15	10	US-09-865-294-30	Sequence 34, Appl
34	26	32.5	15	10	US-09-865-294-34	Sequence 2754, Ap
35	26	32.5	15	14	US-10-001-469-2754	Sequence 38, Appl
36	26	32.5	15	14	US-10-354-240-38	Sequence 550, App
37	25.5	31.9	14	14	US-10-189-437-550	Sequence 12, Appl
38	25	31.2	9	9	US-09-920-174-12	Sequence 36, Appl
39	25	31.2	9	10	US-09-845-042-36	Sequence 12, Appl
40	25	31.2	9	10	US-09-920-195A-12	Sequence 3, Appl
41	25	31.2	9	12	US-09-809-028-3	Sequence 72, Appl
42	25	31.2	10	10	US-09-573-822C-72	Sequence 503, App
43	25	31.2	10	14	US-10-072-602B-503	Sequence 216, App
44	25	31.2	12	15	US-10-044-844-216	Sequence 3, Appl
45	25	31.2	15	14	US-10-257-050-3	

ALIGNMENTS

RESULT 1  
US-10-354-240-36  
; Sequence 36, Application US/10354240  
; Publication No. US20030185847A1

; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dise  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JF97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 36  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22  
US-10-354-240-36

Query Match 100.0%; Score 80; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.2e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PCVFKRVSNVIHG 15  
Db 1 PCVFKRVSNVIHG 15

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RESULT 2
US-10-354-240-159
; Sequence 159, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 159
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row b
US-10-354-240-159

Query Match 100.0%; Score 80; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e-07; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0;

QY 1 PCVFIKRVSNVIHG 15
DB 1 PCVFIKRVSNVIHG 15

RESULT 3
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 163
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163

Query Match 100.0%; Score 80; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e-07; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0;

QY 1 PCVFIKRVSNVIHG 15
DB 1 PCVFIKRVSNVIHG 15

RESULT 4
US-10-354-240-169
; Sequence 169, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 169
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-7.
US-10-354-240-169

Query Match 92.5%; Score 74; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.4e-06; Indels 0; Gaps 0;
Matches 14; Conservative 0; Mismatches 0;

QY 1 PCVFIKRVSNVIH 14
DB 1 PCVFIKRVSNVIH 14

RESULT 5
US-10-354-240-164
; Sequence 164, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1997-03-10
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164

Query Match 91.2%; Score 73; DB 14; Length 14;

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Best Local Similarity 100.0%; Pred. No. 5.1e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 CVFIKRVSNVIHG 15
   |||||
Db 1 CVFIKRVSNVIHG 14

RESULT 6
US-10-354-240-170
; Sequence 170, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 170
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-8.
US-10-354-240-170

Query Match 82.5%; Score 66; DB 14; Length 13;
Best Local Similarity 100.0%; Pred. No. 8e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PCVFIKRVSNVII 13
   |||||
Db 1 PCVFIKRVSNVII 13

RESULT 7
US-10-354-240-13
; Sequence 13, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-13

Query Match 80.0%; Score 64; DB 14; Length 13;
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Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 VFIIKRVSNVIHG 15
   |||||
Db 1 VFIIKRVSNVIHG 13

RESULT 8
US-10-354-240-165
; Sequence 165, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-10-354-240-165

Query Match 80.0%; Score 64; DB 14; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 VFIIKRVSNVIHG 15
   |||||
Db 1 VFIIKRVSNVIHG 13

RESULT 9
US-10-354-240-174
; Sequence 174, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 174
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
```

```

US-10-354-240-174
Query Match      80.0%; Score 64; DB 14; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 VFVKRVSNVHNG 15
   |||||
Db 1 VFVKRVSNVHNG 13

RESULT 10
US-10-354-240-171
; Sequence 171, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 171
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-9.
US-10-354-240-171

Query Match      77.5%; Score 62; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.00037;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PCVFIKRVSNVI 12
   |||||
Db 1 PCVFIKRVSNVI 12

RESULT 11
US-10-354-240-166
; Sequence 166, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica

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; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-10-354-240-166

Query Match      75.0%; Score 60; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.00084;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 FIKRVSNVHNG 15
   |||||
Db 1 FIKRVSNVHNG 12

RESULT 12
US-10-354-240-172
; Sequence 172, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 172
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-10.
US-10-354-240-172

Query Match      72.5%; Score 58; DB 14; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0017;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PCVFIKRVSNV 11
   |||||
Db 1 PCVFIKRVSNV 11

RESULT 13
US-10-354-240-173
; Sequence 173, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kinno, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 173

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us-09-308-027a-3.closed.rapb

Thu Apr 29 11:08:53 2004

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; LENGTH: 10
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-11.
US-10-354-240-173

Query Match      67.5%; Score 54; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0078;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PCVFIKRVSN 10
Db 1 PCVFIKRVSN 10

; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 35
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryl peptide, Figure 1, Row 21
US-10-354-240-35

Query Match      67.5%; Score 54; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PCVFIKRVSN 10
Db 6 PCVFIKRVSN 15

Search completed: April 29, 2004, 10:34:07
Job time : 30.85 secs

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; LENGTH: 10
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-11.
US-10-354-240-173

Query Match      67.5%; Score 54; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0078;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PCVFIKRVSN 10
Db 1 PCVFIKRVSN 10

RESULT 14
US-10-354-240-167
; Sequence 167, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 167
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-5.
US-10-354-240-167

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Query Match      67.5%; Score 54; DB 14; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0057;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 IKRVSNVIHG 15
Db 1 IKRVSNVIHG 11

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RESULT 15
US-10-354-240-35
; Sequence 35, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:17:52 ; Search time 11.85 Seconds  
(without alignments)  
65.349 Million cell updates/sec

Title: US-09-308-027A-2  
Perfect score: 83  
Sequence: 1 GATDRPLWIFSGN 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 146418

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/prodata/2/1aa/5A-COMB.pep:\*  
2: /cgn2\_6/prodata/2/1aa/5B-COMB.pep:\*  
3: /cgn2\_6/prodata/2/1aa/6A-COMB.pep:\*  
4: /cgn2\_6/prodata/2/1aa/6B-COMB.pep:\*  
5: /cgn2\_6/prodata/2/1aa/PTUS-COMB.pep:\*  
6: /cgn2\_6/prodata/2/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES			
Result No.	Score	Query Match Length	Description
1	35	42.2	Sequence 21, Appl
2	35	42.2	Sequence 21, Appl
3	34	41.0	Sequence 23, Appl
4	34	41.0	Sequence 23, Appl
5	30	36.1	Sequence 146, App
6	30	36.1	Sequence 146, App
7	30	36.1	Sequence 146, App
8	27	32.5	Sequence 8, Appl
9	27	32.5	Sequence 8, Appl
10	27	32.5	Sequence 8, Appl
11	27	32.5	Sequence 24, Appl
12	27	32.5	Sequence 8, Appl
13	27	32.5	Sequence 8, Appl
14	27	32.5	Sequence 39, Appl
15	27	32.5	Sequence 24, Appl
16	27	32.5	Sequence 8, Appl
17	27	32.5	Sequence 13, Appl
18	27	32.5	Sequence 13, Appl
19	27	32.5	Sequence 13, Appl
20	27	32.5	Sequence 13, Appl
21	27	32.5	Sequence 171, App
22	27	32.5	Sequence 171, App
23	26	31.3	Sequence 31, Appl
24	26	31.3	Sequence 74, Appl
25	26	31.3	Sequence 74, Appl
26	26	31.3	Sequence 13, Appl
27	26	31.3	Sequence 1, Appl

US-08-665-202-21

Sequence 21, Application US/08665202

Patent No. 5977322

GENERAL INFORMATION:

APPLICANT: Marks, James D.

APPLICANT: Schier, Robert

TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to

TITLE OF INVENTION: Tumor Antigens

NUMBER OF SEQUENCES: 141

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/665,202

FILING DATE: 13-JUN-1996

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/000,238

FILING DATE: 14-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/000,250

FILING DATE: 15-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Hunter, Tom

REGISTRATION NUMBER: 38,498

REFERENCE/DOCKET NUMBER: 02307E-061410

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 11 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-665-202-21

Query Match 42.2%; Score 35; DB 2; Length 11;

Best Local Similarity 75.0%; Pred. No. 5.6;

28	26	31.3	15	1	US-08-657-163A-1	Sequence 1, Appli
29	25.5	30.7	8	4	US-09-315-304B-1639	Sequence 1639, Ap
30	25	30.1	8	1	US-08-014-426-20	Sequence 20, Appl
31	25	30.1	8	5	PCT-US94-01319-20	Sequence 20, Appl
32	25	30.1	10	1	US-08-190-788A-31	Sequence 31, Appl
33	25	30.1	10	1	US-08-383-474B-36	Sequence 36, Appl
34	25	30.1	10	1	US-08-465-391A-31	Sequence 31, Appl
35	25	30.1	10	2	US-08-464-538B-31	Sequence 31, Appl
36	25	30.1	10	2	US-08-556-597-118	Sequence 118, App
37	25	30.1	10	2	US-08-463-076E-75	Sequence 75, Appl
38	25	30.1	10	3	US-08-159-339A-668	Sequence 668, App
39	25	30.1	10	3	US-08-428-082B-661	Sequence 739, App
40	25	30.1	11	3	US-08-665-643A-4	Sequence 661, App
41	25	30.1	11	4	US-09-829-855-211	Sequence 4, Appli
42	25	30.1	12	1	US-08-190-788A-23	Sequence 211, App
43	25	30.1	12	1	US-08-383-474B-28	Sequence 23, Appl
44	25	30.1	12	1	US-08-465-391A-23	Sequence 28, Appl
45	25	30.1	12	1	US-08-465-391A-23	Sequence 23, Appl

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Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 ATRDRPLW 9
   |.|||||
Db 1 ASWDRPLW 8

RESULT 2
US-09-315-574-21
; Sequence 21, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Haue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION NUMBER: US 08/665,202
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 15-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0300
; TELEFAX: (415) 576-0200
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-21

Query Match 42.2%; Score 35; DB 4; Length 11;
Best Local Similarity 75.0%; Pred. No. 5.6;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 ATRDRPLW 9
   |.|||||
Db 1 ASWDRPLW 8

RESULT 3
US-08-665-202-23
; Sequence 23, Application US/08665202
; Patent No. 597322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.

```

```

; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 597322el High Affinity Human Antibodies to
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-665-202-23

Query Match 41.0%; Score 34; DB 2; Length 11;
Best Local Similarity 75.0%; Pred. No. 8.4;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATRDRPLW 9
   |.|||||
Db 1 AAWDRPLW 8

RESULT 4
US-09-315-574-23
; Sequence 23, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Haue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30

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;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/315,574  
;; FILING DATE: 20-MAY-99  
;; CLASSIFICATION: 530  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 60/000,238  
;; FILING DATE: 14-JUN-1995  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 60/000,250  
;; FILING DATE: 15-JUN-1995  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/665,202  
;; FILING DATE: 13-JUN-1996  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Hunter, Tom  
;; REGISTRATION NUMBER: 38,498  
;; REFERENCE/DOCKET NUMBER: 02307B-061411  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (415) 576-0200  
;; TELEFAX: (415) 576-0300  
;; INFORMATION FOR SEQ ID NO: 23:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 11 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS:  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
US-09-315-574-23

Query Match 41.0%; Score 34; DB 4; Length 11;  
Best Local Similarity 75.0%; Pred. No. 8.4;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATRDRPLW 9  
| | | | |  
Db 1 AAWDRPLW 8

RESULT 5  
US-09-139-802-146  
;; Sequence 146, Application US/09139802  
;; Patent No. 6180084  
;; GENERAL INFORMATION:  
;; APPLICANT: Ruoslahti, Erkki  
;; APPLICANT: Pasqualini, Renata  
;; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing  
;; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using  
;; TITLE OF INVENTION: Same  
;; FILE REFERENCE: P-LJ 3203  
;; CURRENT APPLICATION NUMBER: US/09/139,802  
;; CURRENT FILING DATE: 1998-08-25  
;; EARLIER APPLICATION NUMBER: 08/926,914  
;; EARLIER FILING DATE: 1997-09-10  
;; EARLIER APPLICATION NUMBER: 08/710,067  
;; EARLIER FILING DATE: 1996-09-10  
;; NUMBER OF SEQ ID NOS: 226  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 146  
;; LENGTH: 7  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-139-802-146

Query Match 36.1%; Score 30; DB 3; Length 7;  
Best Local Similarity 57.1%; Pred. No. 36+05;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 7 PLWIIIS 13  
| | | | |  
Db 1 PKWLIFS 7

RESULT 6  
US-09-659-786-146  
;; Sequence 146, Application US/09659786  
;; Patent No. 6491894  
;; GENERAL INFORMATION:  
;; APPLICANT: Ruoslahti, Erkki  
;; APPLICANT: Pasqualini, Renata  
;; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing  
;; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using  
;; TITLE OF INVENTION: Same  
;; FILE REFERENCE: P-LJ 3203  
;; CURRENT APPLICATION NUMBER: US/09/659,786  
;; CURRENT FILING DATE: 2000-09-11  
;; PRIOR APPLICATION NUMBER: 08/926,914  
;; PRIOR FILING DATE: 1997-09-10  
;; PRIOR APPLICATION NUMBER: 08/710,067  
;; PRIOR FILING DATE: 1996-09-10  
;; NUMBER OF SEQ ID NOS: 226  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 146  
;; LENGTH: 7  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-659-786-146

Query Match 36.1%; Score 30; DB 4; Length 7;  
Best Local Similarity 57.1%; Pred. No. 36+05;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 7 PLWIIIS 13  
| | | | |  
Db 1 PKWLIFS 7

RESULT 7  
US-08-926-914-146  
;; Sequence 146, Application US/08926914  
;; Patent No. 6576239  
;; GENERAL INFORMATION:  
;; APPLICANT: Ruoslahti, Erkki  
;; APPLICANT: Pasqualini, Renata  
;; TITLE OF INVENTION: Tumor Homing Molecules, Conjugates  
;; TITLE OF INVENTION: Derived Therefrom, and Methods of Using Same  
;; NUMBER OF SEQUENCES: 199  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Campbell & Flores  
;; STREET: 4370 La Jolla Village Drive, Suite 700  
;; CITY: San Diego  
;; STATE: California  
;; COUNTRY: United States  
;; ZIP: 92122  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/926,914  
;; FILING DATE: 10-SEP-1997  
;; CLASSIFICATION: 435  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Campbell, Cathryn A.  
;; REGISTRATION NUMBER: 31,815  
;; REFERENCE/DOCKET NUMBER: P-LJ 2725  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (619) 535-9001  
;; TELEFAX: (619) 535-8949  
;; INFORMATION FOR SEQ ID NO: 146:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 7 amino acids  
 TYPE: amino acid  
 TOPOLOGY: both  
 MOLECULE TYPE: peptide  
 US-08-926-914-146

Query Match 36.1%; Score 30; DB 4; Length 7;  
 Best Local Similarity 57.1%; Pred. No. 3e+05;  
 Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 7 PLWIFS 13  
 Db 1 PKWLLFS 7

RESULT 8  
 US-08-936-325-4  
 ; Sequence 4, Application US/08836325  
 ; Patent No. 610672  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mandel, Gail  
 ; APPLICANT: Haleboua, Simon  
 ; APPLICANT: Borden, Laurence A.  
 ; TITLE OF INVENTION: Peripheral Nervous System Specific  
 ; TITLE OF INVENTION: Sodium Channels, DNA Encoding Therefor, Crystallization,  
 ; TITLE OF INVENTION: X-ray Diffraction, Computer Molecular Modeling, Rational  
 ; TITLE OF INVENTION: Drug Design, Drug Screening, and Methods of Making and Using  
 ; TITLE OF INVENTION: Thereof  
 ; NUMBER OF SEQUENCES: 19  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C  
 ; STREET: 1100 New York Ave., N. W., Suite 600  
 ; CITY: Washington  
 ; STATE: DC  
 ; COUNTRY: USA  
 ; ZIP: 20005-3934  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/836,325  
 ; FILING DATE: 2-MAY-1997  
 ; CLASSIFICATION: 514  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US95/14251  
 ; FILING DATE: 02-NOV-1995  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/482,401  
 ; FILING DATE: 07-JUN-1995  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/334,029  
 ; FILING DATE: 02-NOV-1994  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Ludwig, Steven R.  
 ; REGISTRATION NUMBER: 36,203  
 ; REFERENCE/DOCKET NUMBER: 0917.0240002  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 202-371-2600  
 ; TELEFAX: 202-371-2540  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 8 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; US-08-936-325-4

Query Match 32.5%; Score 27; DB 3; Length 8;  
 Best Local Similarity 80.0%; Pred. No. 3e+05;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 9 WIIFS 13  
 Db 2 WLIFS 6

RESULT 9  
 US-07-822-043-8  
 ; Sequence 8, Application US/07822043  
 ; Patent No. 5449753  
 ; GENERAL INFORMATION:  
 ; APPLICANT: STRACKE, MARY  
 ; APPLICANT: LIOTTA, LANCE  
 ; APPLICANT: SCHIFFMANN, ELLIOTT  
 ; APPLICANT: KRUTZSCH, HENRY  
 ; TITLE OF INVENTION: MOTILITY STIMULATING PROTEIN USEFUL IN  
 ; TITLE OF INVENTION: CANCER DIAGNOSIS AND THERAPY  
 ; NUMBER OF SEQUENCES: 33  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: CUSHMAN DABY AND CUSHMAN  
 ; STREET: 1615 L STREET, N.W.  
 ; CITY: WASHINGTON  
 ; STATE: D.C.  
 ; COUNTRY: U.S.A.  
 ; ZIP: 20036  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Tape  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/07/822,043  
 ; FILING DATE: 19920117  
 ; CLASSIFICATION: 530  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: SCOTT, WATSON T  
 ; REGISTRATION NUMBER: 26581  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (202)-861-3000  
 ; TELEFAX: (202) 822-0944  
 ; INFORMATION FOR SEQ ID NO: 8:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 11 amino acids  
 ; TYPE: AMINO ACID  
 ; TOPOLOGY: linear  
 ; US-07-822-043-8

Query Match 32.5%; Score 27; DB 1; Length 11;  
 Best Local Similarity 80.0%; Pred. No. 1.4e+02;  
 Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 6 RPLWI 10  
 Db 3 QPLWI 7

RESULT 10  
 US-08-345-455B-8  
 ; Sequence 8, Application US/08346455B  
 ; Patent No. 5731167  
 ; GENERAL INFORMATION:  
 ; APPLICANT: UNITED STATES OF AMERICA; DEPT.  
 ; APPLICANT: OF HEALTH AND HUMAN SERVICES  
 ; TITLE OF INVENTION: MOTILITY STIMULATING  
 ; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
 ; TITLE OF INVENTION: THERAPY  
 ; NUMBER OF SEQUENCES: 69  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: MORGAN & FINNEGAN  
 ; STREET: 345 PARK AVENUE  
 ; CITY: NEW YORK

```

; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/346,455B
; FILING DATE: 28-NOV-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/06613
; FILING DATE: 24-MAY-1995
; APPLICATION NUMBER: 08/249,182
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/822,043
; FILING DATE: 17-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4149PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 751-6849
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-346-455B-8

Query Match 32.5%; Score 27; DB 1; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 6 RPLWI 10
Db 3 QPLWI 7

RESULT 11
US-08-665-202-24
; Sequence 24, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995

; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/346,455B
; FILING DATE: 28-NOV-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/06613
; FILING DATE: 24-MAY-1995
; APPLICATION NUMBER: 08/249,182
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/822,043
; FILING DATE: 17-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4149PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 751-6849
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-346-455B-8

Query Match 32.5%; Score 27; DB 2; Length 11;
Best Local Similarity 62.5%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 ATRDRPLW 9
Db 1 AAWDDPLW 8

RESULT 12
US-08-977-221-8
; Sequence 8, Application US/08977221
; Patent No. 6084069
; GENERAL INFORMATION:
; APPLICANT: UNITED STATES OF AMERICA; DEPT.
; OF HEALTH AND HUMAN SERVICES
; TITLE OF INVENTION: MOTILITY STIMULATING
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND
; THERAPY
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,221
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/346,455
; FILING DATE: 28-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/249,182
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/822,043
; FILING DATE: 17-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4149US3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 751-6849
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-977-221-8
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; LENGTH: 11
; TYPE: amino acid
; TOPOLOGY: linear
US-08-977-221-8

Query Match          32.5%; Score 27; DB 3; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 RPLWI 10
       :||||
Db      3 QPLWI 7

RESULT 13
US-09-483-831B-8
; Sequence 8, Application US/09483831B
; Patent No. 6417338
; GENERAL INFORMATION:
; APPLICANT: STRACKE, MARY
; APPLICANT: LIOTTA, LANCE
; APPLICANT: SCHIFFMANN, ELLIOTT
; APPLICANT: KRUTZCH, HENRY
; APPLICANT: MURATA, JUN
; TITLE OF INVENTION: MOTILITY STIMULATING PROTEIN USEFUL IN
; FILE REFERENCE: 2026-4149US4
; CURRENT APPLICATION NUMBER: US/09/483.831B
; CURRENT FILING DATE: 2000-01-17
; PRIOR APPLICATION NUMBER: 07/822,043
; PRIOR FILING DATE: 1992-01-17
; PRIOR APPLICATION NUMBER: 08/249,182
; PRIOR FILING DATE: 1994-05-25
; PRIOR APPLICATION NUMBER: 08/346,455
; PRIOR FILING DATE: 1994-11-28
; PRIOR APPLICATION NUMBER: 08/977,221
; PRIOR FILING DATE: 1997-11-24
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-483-831B-8

Query Match          32.5%; Score 27; DB 4; Length 11;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 RPLWI 10
       :||||
Db      3 QPLWI 7

RESULT 14
US-09-410-551B-39
; Sequence 39, Application US/09410551B
; Patent No. 6503737
; GENERAL INFORMATION:
; APPLICANT: KOSAN BIOSCIENCES, Inc.
; APPLICANT: REEVES, CHRISTOPHER
; APPLICANT: CHU, DANIEL
; APPLICANT: KHOSLA, CHAITAN
; APPLICANT: SANTI, DANIEL
; APPLICANT: WU, KAI
; TITLE OF INVENTION: POLYKETIDE SYNTHASE ENZYMES AND RECOMBINANT DNA
; FILE REFERENCE: 30062-20026.00
; CURRENT APPLICATION NUMBER: US/09/410,551B
; CURRENT FILING DATE: 1999-10-01

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; PRIOR APPLICATION NUMBER: US 60/139,650
; PRIOR FILING DATE: 1999-06-17
; PRIOR APPLICATION NUMBER: US 60/123,810
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/102,748
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39
; LENGTH: 11
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic PKS
; OTHER INFORMATION: synthase fragment
US-09-410-551B-39

Query Match          32.5%; Score 27; DB 4; Length 11;
Best Local Similarity 55.6%; Pred. No. 1.4e+02;
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      2 ATRDRPLWI 10
       :||||
Db      2 AFQREPYWI 10

RESULT 15
US-09-315-574-24
; Sequence 24, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 amino acids
; TYPE: amino acid
; STRANDEDNESS:

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; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-24
Query Match      32.5%; Score 27; DB 4; Length 11;
Best Local Similarity 62.5%; Pred. NO. 1.4e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 ATRDRPLW 9
      | | | | |
Db      1 AAWDPLW 8

Search completed: April 29, 2004, 09:27:27
Job time : 12.85 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-1  
Perfect score: 79  
Sequence: 1 QNRMKLADCAVGFSGS 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:  
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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
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6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	79	100.0	15	14	US-10-354-240-18
2	53	67.1	15	14	US-10-354-240-17
3	53	67.1	15	14	US-10-354-240-19
4	31	39.2	14	15	US-10-391-634-39
5	29	36.7	12	10	US-09-892-877-310
6	29	36.7	12	10	US-09-948-783-323
7	28	35.4	14	9	US-09-823-829-77
8	28	35.4	14	9	US-09-823-823-77
9	28	35.4	14	12	US-10-393-815-312
10	27	34.2	13	15	US-10-253-286-675
11	27	34.2	13	15	US-10-245-871-675
12	26	32.9	8	12	US-10-367-580-163
13	26	32.9	8	12	US-10-367-593-163
14	26	32.9	8	12	US-10-367-594-163
15	26	32.9	8	12	US-10-367-654-163

16	26	32.9	8	12	US-10-367-658-163	Sequence 163, Appl
17	26	32.9	8	12	US-10-367-668-163	Sequence 163, Appl
18	26	32.9	15	14	US-10-354-240-16	Sequence 16, Appl
19	26	32.9	15	14	US-10-354-240-20	Sequence 20, Appl
20	26	32.9	15	15	US-10-407-449-18	Sequence 18, Appl
21	26	32.9	15	15	US-10-407-449-19	Sequence 19, Appl
22	25.5	32.3	15	14	US-10-354-240-123	Sequence 123, Appl
23	25.5	32.3	15	14	US-10-354-240-124	Sequence 124, Appl
24	25	31.6	7	11	US-09-261-894-41	Sequence 41, Appl
25	25	31.6	9	15	US-10-448-521-1	Sequence 1, Appl
26	25	31.6	10	11	US-09-261-894-112	Sequence 112, Appl
27	25	31.6	10	12	US-10-380-147-1	Sequence 1, Appl
28	25	31.6	11	10	US-09-852-910-132	Sequence 132, Appl
29	25	31.6	11	15	US-10-411-338A-132	Sequence 40, Appl
30	25	31.6	12	12	US-10-601-837-40	Sequence 4, Appl
31	25	31.6	12	13	US-10-044-034-4	Sequence 8, Appl
32	25	31.6	13	9	US-09-848-164-8	Sequence 2, Appl
33	25	31.6	13	9	US-09-768-872-2	Sequence 23, Appl
34	25	31.6	13	9	US-09-245-487B-23	Sequence 8, Appl
35	25	31.6	13	9	US-09-756-983-8	Sequence 14, Appl
36	25	31.6	13	9	US-09-756-983-14	Sequence 7, Appl
37	25	31.6	13	9	US-09-987-137-7	Sequence 1, Appl
38	25	31.6	13	9	US-09-900-379-8	Sequence 164, Appl
39	25	31.6	13	10	US-09-013-077A-1	Sequence 5, Appl
40	25	31.6	13	11	US-09-261-894-164	Sequence 2194, Ap
41	25	31.6	13	12	US-10-406-783-5	Sequence 2196, Ap
42	25	31.6	13	12	US-10-149-135-2194	Sequence 2336, Ap
43	25	31.6	13	12	US-10-149-135-2196	Sequence 3, Appl
44	25	31.6	13	12	US-10-149-135-2336	
45	25	31.6	13	12	US-10-380-147-3	

## ALIGNMENTS

RESULT 1  
US-10-354-240-18  
; Sequence 18, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 18  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 4  
US-10-354-240-18

Query Match 100.0%; Score 79; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.6e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 QNRMKLADCAVGFSGS 15  
DB 1 QNRMKLADCAVGFSGS 15



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RESULT 2
US-10-354-240-17
; Sequence 17, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 17
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 3
US-10-354-240-17

Query Match 67.1%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 QNRMKLADCA 10
Db 6 QNRMKLADCA 15

RESULT 3
US-10-354-240-19
; Sequence 19, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; CURRENT APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 19
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 5
US-10-354-240-19

Query Match 67.1%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Oy 6 LADCAVGFGS 15
Db 1 LADCAVGFGS 10

RESULT 4
US-10-391-634-39
; Sequence 39, Application US/10391634
; Publication No. US20030232359A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
; FILE REFERENCE: D0253HP
; CURRENT FILING DATE: 2003-03-18
; CURRENT APPLICATION NUMBER: US/10/391,634
; PRIOR FILING DATE: 2002-03-18
; PRIOR APPLICATION NUMBER: U.S. 60/365,350
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 39
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-391-634-39

Query Match 39.2%; Score 31; DB 15; Length 14;
Best Local Similarity 54.5%; Pred. No. 98;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Oy 3 RMKLADCAVGF 13
Db 4 RISLVECAVQF 14

RESULT 5
US-09-892-877-310
; Sequence 310, Application US/09892877
; Publication No. US20030077809A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et. al.
; TITLE OF INVENTION: 97 Human secreted proteins
; FILE REFERENCE: PZ028P1
; CURRENT FILING DATE: 2001-06-28
; CURRENT APPLICATION NUMBER: US/09/892,877
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-10
; PRIOR APPLICATION NUMBER: US/09/437,658
; NUMBER OF SEQ ID NOS: 461
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 310
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-892-877-310

Query Match 36.7%; Score 29; DB 10; Length 12;
Best Local Similarity 57.1%; Pred. No. 1.9e+02;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Oy 8 DCAVGFG 14
Db 2 DCQAGYG 8

RESULT 6
US-09-948-783-323
; Sequence 323, Application US/09948783
; Publication No. US20030100051A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et. al.
; TITLE OF INVENTION: 97 Human secreted proteins
; FILE REFERENCE: PZ028P2

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; CURRENT APPLICATION NUMBER: US/09/948,783
; CURRENT FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/231,846
; PRIOR FILING DATE: 2000-09-11
; PRIOR APPLICATION NUMBER: 09/892,877
; PRIOR FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: 09/437,658
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/US99/09847
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 60/085,093
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,094
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,105
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,180
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,927
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,906
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,924
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,922
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,921
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,923
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,925
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,928
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,920
; PRIOR FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 465
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 323
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-948-783-323

Query Match      36.7%; Score 29; DB 10; Length 12;
Best Local Similarity 57.1%; Pred. No. 1.9e+02;
Matches      4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      8 DCAVGFG 14
Db      2 DCQAGYG 8

RESULT 7
US-09-823-829-77
; Sequence 77, Application US/09823829
; Patent No. US20020146697A1
; GENERAL INFORMATION:
; APPLICANT: Yamamoto, Satoshi
; APPLICANT: Nakamura, Shoko
; APPLICANT: Suzuki, Makoto
; APPLICANT: Kasai, Hiroaki
; APPLICANT: Hamada, Tchrn
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION AND DETECTION OF MICROORGANISMS
; TITLE OF INVENTION: USING GYRASE GENE AS AN INDICATOR
; FILE REFERENCE: 12817-004001
; CURRENT APPLICATION NUMBER: US/09/823,829
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 09/208,688
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: JP 97/343316
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO 77
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Xaa at position 9 = Ser or Gln; Xaa at position 10 = Ser or Glu;
; OTHER INFORMATION: position 11 = Lys or Arg; Xaa at position 14 = Ala or Ser

US-09-823-823-77
Query Match      35.4%; Score 28; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches      5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KLADC 9
Db      4 KLADC 8

RESULT 8
US-09-823-823-77
; Sequence 77, Application US/09823823
; Patent No. US2002017192A1
; GENERAL INFORMATION:
; APPLICANT: Yamamoto, Satoshi
; APPLICANT: Kasai, Hiroaki
; APPLICANT: Nakamura, Shoko
; APPLICANT: Suzuki, Makoto
; APPLICANT: Hamada, Tchrn
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION AND DETECTION OF MICROORGANISMS USING
; TITLE OF INVENTION: GENE AS AN INDICATOR
; FILE REFERENCE: 12817-004001
; CURRENT APPLICATION NUMBER: US/09/823,823
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 09/208,688
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: JP 97/343316
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO 77
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Xaa at position 9 = Ser or Gln; Xaa at position 10 = Ser or Glu;
; OTHER INFORMATION: position 11 = Lys or Arg; Xaa at position 14 = Ala or Ser

US-09-823-823-77
Query Match      35.4%; Score 28; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches      5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KLADC 9
Db      4 KLADC 8

RESULT 9
US-10-393-815-312
; Sequence 312, Application US/10393815
; Publication No. US20030224413A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Shimkets, Richard A
; APPLICANT: Leach, Martin
; TITLE OF INVENTION: Nucleic Acids Containing Single Nucleotide Polymorphisms
; FILE REFERENCE: 15966-534B
; CURRENT APPLICATION NUMBER: US/10/393,815
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: 60/109,024
; PRIOR FILING DATE: 1998-11-17
; NUMBER OF SEQ ID NOS: 320
; SOFTWARE: CuraGen Patent Formatter Version 0.9
; SEQ ID NO 312
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(0)
; OTHER INFORMATION: cSNP translation
US-10-393-815-312

```

```

Query Match 35.4%; Score 28; DB 12; Length 14;
Best Local Similarity 62.5%; Pred. No. 3.4e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 2 NEMKLADC 9
||| : |||
Db 4 NRSLAPC 11

```

```

RESULT 10
US-10-253-286-675
; Sequence 675, Application US/10253286
; Publication No. US2004005881A1
; GENERAL INFORMATION:
; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: 11-KEY/ANTIGENIC EPIOTOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2015
; CURRENT APPLICATION NUMBER: US/10/253,286
; CURRENT FILING DATE: 2003-01-13
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 675
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: 11-key/MHC Class II epitope hybrid peptide
; FEATURE:
; OTHER INFORMATION: C-term amidated
US-10-253-286-675

```

```

Query Match 34.2%; Score 27; DB 12; Length 13;
Best Local Similarity 54.5%; Pred. No. 4.7e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

```

```

QY 3 RMKLADCAVGF 13
||| : |||
Db 2 RMKLNDSEGF 12

```

```

RESULT 11
US-10-245-871-675
; Sequence 675, Application US/10245871
; Publication No. US20030235594A1
; GENERAL INFORMATION:

```

```

; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: 11-KEY/ANTIGENIC EPIOTOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2013
; CURRENT APPLICATION NUMBER: US/10/245,871
; CURRENT FILING DATE: 2003-01-09
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 675
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: 11-key/MHC Class II epitope hybrid peptide
; FEATURE:
; OTHER INFORMATION: C-term amidated
US-10-245-871-675

```

```

Query Match 34.2%; Score 27; DB 15; Length 13;
Best Local Similarity 54.5%; Pred. No. 4.7e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

```

```

QY 3 RMKLADCAVGF 13
||| : |||
Db 2 RMKLNDSEGF 12

```

```

RESULT 12
US-10-367-580-163
; Sequence 163, Application US/10367580
; Publication No. US20040071720A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takeuchi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461061
; CURRENT APPLICATION NUMBER: US/10/367,580
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/794,832
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 163
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-367-580-163

```

```

Query Match 32.9%; Score 26; DB 12; Length 8;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 9 CAVGF 13
||| : |||

```

```

Db          4 CALGF 8

RESULT 13
US-10-367-593-163
; Sequence 163, Application US/10367593
; Publication No. US20040071723A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461012
; CURRENT APPLICATION NUMBER: US/10/367,593
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 163
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-367-593-163

Query Match          32.9%; Score 26; DB 12; Length 8;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY          9 CAVGF 13
          ||:||
Db          4 CALGF 8

RESULT 14
US-10-367-594-163
; Sequence 163, Application US/10367594
; Publication No. US20040071723A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461041
; CURRENT APPLICATION NUMBER: US/10/367,594
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/680,806
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 163

Query Match          32.9%; Score 26; DB 12; Length 8;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY          9 CAVGF 13
          ||:||
Db          4 CALGF 8

RESULT 15
US-10-367-654-163
; Sequence 163, Application US/10367654
; Publication No. US20040071723A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Alan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
; FILE REFERENCE: 11746/461032
; CURRENT APPLICATION NUMBER: US/10/367,654
; PRIOR FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 10/171,734
; PRIOR FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/636,295
; PRIOR FILING DATE: 2000-08-10
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 163
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-367-654-163

Query Match          32.9%; Score 26; DB 12; Length 8;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY          9 CAVGF 13
          ||:||
Db          4 CALGF 8

Search completed: April 29, 2004, 10:34:07
Job time : 30.85 secs

```



```

QY      8 DCAVGF 13
      |||||
Db      1 DCAQGF 6

RESULT 2
US-08-290-448A-43
; Sequence 43, Application US/08290448A
; Patent No. 5698204
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rainar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, suite 510
; STREET: 60 State Street,
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: August 15, 1994
; PRIORITY APPLICATION NUMBER: US/08/290,448A
; PRIOR APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: IMI-018CN
; REFERENCE/DOCKET NUMBER: IMI-018CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-290-448A-43

Query Match      36.7%; Score 29; DB 1; Length 6;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      8 DCAVGF 13
      |||||
Db      1 DCAQGF 6

RESULT 3
US-08-175-069A-43
; Sequence 43, Application US/08175069A
; Patent No. 576761
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rainar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93

```

```

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/175,069A
; FILING DATE: December 29, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018DV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-175-069A-43

Query Match      36.7%; Score 29; DB 1; Length 6;
Best Local Similarity 83.3%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      8 DCAVGF 13
      |||||
Db      1 DCAQGF 6

RESULT 4
US-08-461-939B-43
; Sequence 43, Application US/08461939B
; Patent No. 6335019
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rainar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Methods For Treating Sensitivity To A
; TITLE OF INVENTION: Protein Allergen Using Peptides Which Include A T Cell Epitope
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,939B
; FILING DATE:
; PRIOR APPLICATION DATA:

```

APPLICATION NUMBER: US 08/464,000  
FILING DATE: 05-JUN-1995  
APPLICATION NUMBER: US 08/290,448  
FILING DATE: 15-AUG-1994  
APPLICATION NUMBER: US 07/529,951  
FILING DATE: 29-MAY-1990  
APPLICATION NUMBER: US 07/325,365  
FILING DATE: 17-MAR-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Amy E. Mandragouras  
REGISTRATION NUMBER: 36,207  
REFERENCE/DOCKET NUMBER: IMI-018CNDV  
TELEPHONE: (617)227-7400  
TELEFAX: (617)742-4214  
INFORMATION FOR SEQ ID NO: 43:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-461-939B-43

Query Match 36.7%; Score 29; DB 4; Length 6;  
Best Local Similarity 83.3%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 8 DCAVGF 13  
Db 1 DCAQGF 6

## RESULT 5

US-08-464-000-43  
Sequence 43, Application US/08464000  
Patent No. 6335020  
GENERAL INFORMATION:  
APPLICANT: Rogers, Bruce  
APPLICANT: Klapper, David G.  
APPLICANT: Rafnar, Thorunn  
APPLICANT: Kuo, Mei-chang  
TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen  
NUMBER OF SEQUENCES: 93  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD, LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109-1875  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/464,000  
FILING DATE: 05-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/290,448  
FILING DATE: 15-AUG-1994  
APPLICATION NUMBER: US 07/529,951  
FILING DATE: 29-MAY-1990  
APPLICATION NUMBER: US 07/325,365  
FILING DATE: 17-MAR-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Amy E. Mandragouras  
REGISTRATION NUMBER: 36,207  
REFERENCE/DOCKET NUMBER: IMI-018CN2  
TELEPHONE: (617)227-7400  
TELEFAX: (617)227-5941

INFORMATION FOR SEQ ID NO: 43:

SEQUENCE CHARACTERISTICS:  
LENGTH: 6 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-464-000-43

Query Match 36.7%; Score 29; DB 4; Length 6;  
Best Local Similarity 83.3%; Pred. No. 3e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 8 DCAVGF 13  
Db 1 DCAQGF 6

## RESULT 6

US-08-822-586-33  
Sequence 33, Application US/08822586  
Patent No. 6015890  
GENERAL INFORMATION:  
APPLICANT: WILLIAM R. JACOBS, JR., JAMES M. MUSSER AND  
APPLICANT: AMALIO TELENTE  
TITLE OF INVENTION: AN EMBCAB OPERON OF MYCOBACTERIA AND  
TITLE OF INVENTION: MUTANTS THEREOF  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: AMSTER, ROTHSTEIN & EBENSTEIN  
STREET: 90 PARK AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: U.S.A.  
ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH 1.44 Mb STORAGE  
MEDIUM TYPE: DISKETTE  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/822,586  
FILING DATE: MARCH 20, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: ELIZABETH A. BOGOSIAN  
REGISTRATION NUMBER: 39,911  
REFERENCE/DOCKET NUMBER: 96700/437  
TELEPHONE: (212) 697-5995  
TELEFAX: (212) 286-0854 or 286-0082  
TELEX: TWX 710-581-4766  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE:  
DESCRIPTION: peptide  
HYPOTHETICAL: NO  
FRAGMENT TYPE: internal fragment  
US-08-822-586-33

Query Match 36.7%; Score 29; DB 3; Length 10;  
Best Local Similarity 77.8%; Pred. No. 48;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 6 LADCAVGF 14  
Db 1 LADVAVGF 9

```

RESULT 7
US-09-297-937C-1
; Sequence 1, Application US/09297937C
; Patent No. 6337199
; GENERAL INFORMATION:
; APPLICANT: YUM, Do Young
; APPLICANT: PAN, Jae Gu
; TITLE OF INVENTION: Membrane-Bound Gluconate Dehydrogenase, Gene Sequence
; TITLE OF INVENTION: Encoding the Same and Production of 2-Keto-D-Gluconate
; TITLE OF INVENTION: Using Transformed Recombinant E. Coli
; FILE REFERENCE: P66159US0
; CURRENT APPLICATION NUMBER: US/09/297,937C
; CURRENT FILING DATE: 1999-05-11
; PRIOR APPLICATION NUMBER: PCT/KR98/00296
; PRIOR FILING DATE: 1998-09-25
; PRIOR APPLICATION NUMBER: KR 97-48802
; PRIOR FILING DATE: 1997-09-25
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 1
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Erwinia cyripriedii
US-09-297-937C-1

Query Match          36.18; Score 28.5; DB 4; Length 15;
Best Local Similarity 50.0%; Pred. No. 92;
Matches 7; Conservative 1; Mismatches 5; Indels 1; Gaps 1;

QY 2 NRMKLADC-AVGFG 14
   | | | | |
Db 2 NELKKVDVVVGFG 15

RESULT 8
US-09-025-769B-245
; Sequence 245, Application US/09025769B
; Patent No. 6300064
; GENERAL INFORMATION:
; APPLICANT: Knappik, Achim
; APPLICANT: Pack, Peter
; APPLICANT: Ilag, Vic
; APPLICANT: Ge, Liming
; APPLICANT: Moroney, Simon
; APPLICANT: Plueckthun, Andreas
; TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10021
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/025,769B
; FILING DATE: 18-FEB-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 95 11 3021.0
; FILING DATE: 18-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr., Esq.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: MORPHO/5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)596-9000
; TELEFAX: (212)596-9090
; INFORMATION FOR SEQ ID NO: 245:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-09-025-769B-245

Query Match          35.4%; Score 28; DB 4; Length 12;
Best Local Similarity 83.3%; Pred. No. 89;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 9 CAVGFG 14
   | | | |
Db 1 CARGFG 6

RESULT 9
US-09-823-823-77
; Sequence 77, Application US/09823823
; Patent No. 6635904
; GENERAL INFORMATION:
; APPLICANT: Yamamoto, Satoshi
; APPLICANT: Kasai, Hiroaki
; APPLICANT: Nakamura, Shoko
; APPLICANT: Suzuki, Makoto
; APPLICANT: Hamada, Tohru
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION AND DETECTION OF MICROORGANISMS USING G
; FILE REFERENCE: 12817-004001
; CURRENT APPLICATION NUMBER: US/09/823,823
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 09/208,688
; PRIOR FILING DATE: 1998-12-10
; PRIOR APPLICATION NUMBER: JP 97/343316
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO 77
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Xaa at position 9 = Ser or Gln; Xaa at position 10 = Ser or Glu;
; OTHER INFORMATION: position 11 = Lys or Arg; Xaa at position 14 = Ala or Ser
US-09-823-823-77

Query Match          35.4%; Score 28; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 KLADC 9
   | | | |
Db 4 KLADC 8

RESULT 10
US-09-585-207C-2
; Sequence 2, Application US/09585207C
; Patent No. 6623926
; GENERAL INFORMATION:
; APPLICANT: Lohse, Peter
; APPLICANT: Wright, Martin C.
; APPLICANT: McPherson, Michael
; TITLE OF INVENTION: Methods for Producing 5' Nucleic
; TITLE OF INVENTION: Acid-Protein Conjugates
; FILE REFERENCE: 50036/010002
; CURRENT APPLICATION NUMBER: US/09/585,207C
; CURRENT FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/137,032
; PRIOR FILING DATE: 1999-06-01
; NUMBER OF SEQ ID NOS: 6

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; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Peptide 1  
US-09-585-207C-2

Query Match 32.9%; Score 26; DB 4; Length 13;  
Best Local Similarity 66.7%; Pred. No. 2.2e+02;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 9 CAVGFG 14  
|: |||  
Db 1 CSKGFG 6

RESULT 11  
US-08-179-481-23  
; Sequence 23, Application US/08179481  
; Patent No. 5624816  
; GENERAL INFORMATION:  
; APPLICANT: CARRAWAY, KERMIT L.  
; APPLICANT: CAROTHERS CARRAWAY, CORALIE A.  
; APPLICANT: FREGIEN, NEVIS L.  
; TITLE OF INVENTION: ONCOGENE PRODUCT LIGAND  
; NUMBER OF SEQUENCES: 125  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CUSHMAN, DARY & CUSHMAN  
; STREET: 1100 NEW YORK AVENUE, N.W.  
; CITY: WASHINGTON  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20005-3918

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/179,481  
FILING DATE: 28-DEC-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/922,521  
FILING DATE: 30-JUL-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: KOKULIS, PAUL N.  
REGISTRATION NUMBER: 16,773  
REFERENCE/DOCKET NUMBER: 200702/UM92-08CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 861-3000  
TELEFAX: (202) 822-0944  
TELEX: 6714627 CUSH  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-179-481-23

Query Match 32.9%; Score 26; DB 1; Length 15;  
Best Local Similarity 44.4%; Pred. No. 2.6e+02;  
Matches 4; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 5 KLADCAVGF 13  
|: |||  
Db 7 RLCHCPVG 15

RESULT 12  
US-08-811-949-33  
; Sequence 33, Application US/08811949  
; Patent No. 5840533  
; GENERAL INFORMATION:  
; APPLICANT: NIWA, MINEO  
; APPLICANT: SAITO, YOSHIMASA  
; APPLICANT: SASAKI, HITOSHI  
; APPLICANT: HAYASHI, MASAKO  
; APPLICANT: NOTANI, JOUJI  
; APPLICANT: KOBAYASHI, MASAKAZU  
; TITLE OF INVENTION: TISSUE PLASMINOGEN ACTIVATOR  
; NUMBER OF SEQUENCES: 67  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/811,949  
FILING DATE: 05-MAR-1997  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 18-966-0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-811-949-33

Query Match 32.9%; Score 26; DB 2; Length 15;  
Best Local Similarity 55.6%; Pred. No. 2.5e+02;  
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 7 ADCAVGFGS 15  
|: |||  
Db 5 SDCYFNGS 13

RESULT 13  
US-08-553-257A-57  
; Sequence 57, Application US/08553257A  
; Patent No. 5994083  
; GENERAL INFORMATION:  
; APPLICANT: ISTITUTO DI RICERCHE DI BIOLOGIA  
; APPLICANT: MOLECOLARE P. ANGELETTI S.P.A.  
; APPLICANT: FELICI, Franco  
; APPLICANT: LUZZAGO, Alessandra  
; APPLICANT: NICOSIA, Alfredo  
; APPLICANT: MONACI, Paolo  
; APPLICANT: CORTESE, Riccardo  
; TITLE OF INVENTION: PROCESS FOR THE PREPARATION OF IMMUNOGENS  
; TITLE OF INVENTION: OR DIAGNOSTIC REAGENTS, AND IMMUNOGENS OR  
; TITLE OF INVENTION: DIAGNOSTIC REAGENTS THEREBY OBTAINABLE  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Browdy and Neimark

STREET: 419 Seventh Street N.W. Ste. 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/553,257A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/IT94/00054  
FILING DATE: 05-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: RM93A000301  
FILING DATE: 11-MAY-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Browdy, Roger L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: FELICI=1  
TELEPHONE: (202) 628-5197  
TELEFAX: (202) 737-3528  
INFORMATION FOR SEQ ID NO: 57:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-553-257A-57

Query Match 32.9%; Score 26; DB 2; Length 15;  
Best Local Similarity 66.7%; Pred. No. 2.6e+02;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 ADCAVG 12  
Db 7 SDCAAG 12

RESULT 14  
US-09-441-992-57  
Sequence 57, Application US/09441992  
Patent No. 6541210  
GENERAL INFORMATION:  
APPLICANT: ISTITUTO DI RICERCHE DI BIOLOGIA  
MOLECOLARE P. ANGELETTI S.p.A.  
FELICI, Franco  
LUZZAGO, Alessandra  
NICOSIA, Alfredo  
MONACI, Paolo  
CORTESE, Riccardo  
TITLE OF INVENTION: PROCESS FOR THE PREPARATION OF IMMUNOGENS  
OR DIAGNOSTIC REAGENTS, AND IMMUNOGENS OR  
DIAGNOSTIC REAGENTS THEREBY OBTAINABLE  
NUMBER OF SEQUENCES: 68  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Browdy and Neimark  
STREET: 419 Seventh Street N.W. Ste. 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/441,992  
FILING DATE: 18-No. 6541210-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/553,257  
FILING DATE: <Unknown>  
APPLICATION NUMBER: RM93A000301  
FILING DATE: 11-MAY-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Browdy, Roger L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: FELICI=1  
TELEPHONE: (202) 628-5197  
TELEFAX: (202) 737-3528  
INFORMATION FOR SEQ ID NO: 57:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 57:  
US-09-441-992-57

Query Match 32.9%; Score 26; DB 4; Length 15;  
Best Local Similarity 66.7%; Pred. No. 2.6e+02;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 ADCAVG 12  
Db 7 SDCAAG 12

RESULT 15  
US-08-968-676-41  
Sequence 41, Application US/08968676  
Patent No. 5919639  
GENERAL INFORMATION:  
APPLICANT: Humphreys, Robert E  
APPLICANT: Adams, Shariene  
APPLICANT: Xu, Minzhen  
TITLE OF INVENTION: IMMUNOTHERAPY BY MODULATION OF ANTIGEN  
NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kevin M. Farrell, P.C.  
STREET: P.O. Box 999  
CITY: York Harbor  
STATE: ME  
COUNTRY: USA  
ZIP: 03911  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/968,676  
FILING DATE:  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Farrell, Kevin M  
REGISTRATION NUMBER: 35,505  
REFERENCE/DOCKET NUMBER: REH-9601  
TELEPHONE: (207) 363-0558  
TELEFAX: (207) 363-0528  
INFORMATION FOR SEQ ID NO: 41:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single

Thu Apr 29 11:08:39 2004

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; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-968-676-41
Query Match      31.6%; Score 25; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 NRMKL 6
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Db      1 NRMKL 5
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Search completed: April 29, 2004, 09:27:26  
Job time : 12.85 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 29, 2004, 09:22:22 ; Search time 30.85 Seconds  
(without alignments)  
134.776 Million cell updates/sec

Title: US-09-308-027A-2  
Perfect score: 83  
Sequence: 1 GATDRPLWIFSGN 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues  
Total number of hits satisfying chosen parameters: 193968

Minimum DB seq length: 0  
Maximum DB seq length: 15

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

- Database : Published Applications AA:\*
- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
  - 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
  - 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
  - 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
  - 6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
  - 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
  - 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
  - 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
  - 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
  - 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
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  - 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
  - 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	83	100.0	15	14	US-10-354-240-27
2	57	68.7	15	14	US-10-354-240-26
3	57	68.7	15	14	US-10-354-240-28
4	34	41.0	15	14	US-10-059-261-308
5	33	39.6	15	12	US-10-346-162-181
6	31	37.3	9	14	US-10-210-148-102
7	31	37.3	13	12	US-10-383-592A-3
8	31	37.3	13	14	US-10-059-261-243
9	31	37.3	13	14	US-10-059-261-260
10	31	37.3	14	14	US-10-050-704-264
11	30	36.1	7	9	US-09-765-086-146
12	30	36.1	7	14	US-10-264-374-146
13	30	36.1	7	14	US-10-375-992-146
14	29	34.9	6	12	US-10-328-953-39
15	29	34.9	6	12	US-10-367-580-309

Sequence 309, App	6	12	US-10-367-593-309	34.9	29	16
Sequence 309, App	6	12	US-10-367-594-309	34.9	29	17
Sequence 309, App	6	12	US-10-367-654-309	34.9	29	18
Sequence 309, App	6	12	US-10-367-658-309	34.9	29	19
Sequence 309, App	6	12	US-10-367-668-309	34.9	29	20
Sequence 43, Appl	9	14	US-10-094-699-43	34.9	29	21
Sequence 242, App	9	15	US-10-117-937-242	34.9	29	22
Sequence 2006, App	10	10	US-09-572-404B-2006	34.9	29	23
Sequence 2008, App	10	10	US-09-572-404B-2008	34.9	29	24
Sequence 67, Appl	12	14	US-10-145-415-67	34.9	29	25
Sequence 246, App	13	14	US-10-059-261-246	34.9	29	26
Sequence 213, App	13	14	US-10-050-704-213	33.7	28	27
Sequence 309, App	15	14	US-10-053-281-309	33.7	28	28
Sequence 4, Appl	8	10	US-09-457-571-4	32.5	27	29
Sequence 893, App	8	15	US-10-149-138-893	32.5	27	30
Sequence 2651, App	8	15	US-10-149-138-2651	32.5	27	31
Sequence 3310, App	8	15	US-10-149-138-3310	32.5	27	32
Sequence 306, App	9	15	US-10-149-138-306	32.5	27	33
Sequence 2464, App	9	15	US-10-149-138-2464	32.5	27	34
Sequence 3193, App	9	15	US-10-149-138-3193	32.5	27	35
Sequence 307, App	10	15	US-10-149-138-307	32.5	27	36
Sequence 966, App	10	15	US-10-149-138-966	32.5	27	37
Sequence 1811, App	10	15	US-10-149-138-1811	32.5	27	38
Sequence 2899, App	10	15	US-10-149-138-2899	32.5	27	39
Sequence 3468, App	10	15	US-10-149-138-3468	32.5	27	40
Sequence 39, Appl	11	10	US-09-948-316B-39	32.5	27	41
Sequence 8, Appl	11	14	US-10-147-140-8	32.5	27	42
Sequence 560, App	11	15	US-10-149-138-560	32.5	27	43
Sequence 13, Appl	13	9	US-09-884-681-13	32.5	27	44
Sequence 26, Appl	13	14	US-10-028-392-26	32.5	27	45

ALIGNMENTS

RESULT 1  
US-10-354-240-27  
; Sequence 27, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akino  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allerg  
; FILE REFERENCE: SPO-103DI  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 27  
; LENGTH: 15  
; TYPE: PPT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13  
US-10-354-240-27

Query Match 100.0%; Score 83; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 6e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GATDRPLWIFSGN 15  
DB 1 GATDRPLWIFSGN 15

RESULT 2  
 US-10-354-240-26  
 ; Sequence 26, Application US/10354240  
 ; Publication No. US20030185847A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sone, Toshio  
 ; APPLICANT: Kume, Akimori  
 ; APPLICANT: Dairiki, Kazuo  
 ; APPLICANT: Iwama, Akiko  
 ; APPLICANT: Kinjo, Kohsuke  
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
 ; FILE REFERENCE: SPO-103DI  
 ; CURRENT APPLICATION NUMBER: US/10/354,240  
 ; CURRENT FILING DATE: 2003-01-29  
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
 ; PRIOR FILING DATE: 1997-03-10  
 ; PRIOR APPLICATION NUMBER: US 09/142,524  
 ; PRIOR FILING DATE: 1998-09-09  
 ; NUMBER OF SEQ ID NOS: 174  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 26  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Cryptomeria japonica  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE  
 ; LOCATION: (1)..(15)  
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12  
 US-10-354-240-26

Query Match 68.7%; Score 57; DB 14; Length 15;  
 Best Local Similarity 100.0%; Pred. No. 0.013;  
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATDRPLWI 10  
 Db 5 GATDRPLWI 15

RESULT 3  
 US-10-354-240-28  
 ; Sequence 28, Application US/10354240  
 ; Publication No. US20030185847A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sone, Toshio  
 ; APPLICANT: Kume, Akimori  
 ; APPLICANT: Dairiki, Kazuo  
 ; APPLICANT: Iwama, Akiko  
 ; APPLICANT: Kinjo, Kohsuke  
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
 ; FILE REFERENCE: SPO-103DI  
 ; CURRENT APPLICATION NUMBER: US/10/354,240  
 ; CURRENT FILING DATE: 2003-01-29  
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
 ; PRIOR FILING DATE: 1997-03-10  
 ; PRIOR APPLICATION NUMBER: US 09/142,524  
 ; PRIOR FILING DATE: 1998-09-09  
 ; NUMBER OF SEQ ID NOS: 174  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 28  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Cryptomeria japonica  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE  
 ; LOCATION: (1)..(15)  
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14  
 US-10-354-240-28

Query Match 68.7%; Score 57; DB 14; Length 15;  
 Best Local Similarity 100.0%; Pred. No. 0.013;  
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 RPLWIIFSGN 15  
 Db 1 RPLWIIFSGN 10  
 RESULT 4  
 US-10-059-261-308  
 ; Sequence 308, Application US/10059261  
 ; Publication No. US20030077826A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: EDELIN, LENA  
 ; APPLICANT: JACOTOT, ETIENNE DANIEL FRANCOIS  
 ; APPLICANT: BRIAND, JEAN-PAUL  
 ; TITLE OF INVENTION: CHIMERIC MOLECULES CONTAINING A MODULE ABLE TO TARGET  
 ; TITLE OF INVENTION: SPECIFIC CELLS AND A MODULE REGULATING THE APOPTOTIC  
 ; TITLE OF INVENTION: FUNCTION OF THE PERMEABILITY TRANSITION PORE COMPLEX  
 ; TITLE OF INVENTION: (PTPC)  
 ; FILE REFERENCE: 03495.0216  
 ; CURRENT APPLICATION NUMBER: US/10/059,261  
 ; CURRENT FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/265,594  
 ; PRIOR FILING DATE: 2001-02-02  
 ; NUMBER OF SEQ ID NOS: 325  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 308  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 ; OTHER INFORMATION: peptide  
 ; OTHER INFORMATION: N-term biotin  
 US-10-059-261-308

Query Match 41.0%; Score 34; DB 14; Length 15;  
 Best Local Similarity 40.0%; Pred. No. 85;  
 Matches 6; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

Qy 1 GATDRPLWIIFSGN 15  
 Db 1 GGDHRKQFWYPPGN 15

RESULT 5  
 US-10-346-162-161  
 ; Sequence 161, Application US/10346162  
 ; Publication No. US20030224390A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KANO BIO USA, INC.  
 ; APPLICANT: FOWLES, Dana M.  
 ; APPLICANT: BARNETT, Thomas R.  
 ; APPLICANT: BUEHRER, Benjamin  
 ; TITLE OF INVENTION: METHOD OF IDENTIFYING CONFORMATION-SENSITIVE BINDING PEPTIDES  
 ; TITLE OF INVENTION: THEREOF  
 ; FILE REFERENCE: PAIGE-1H  
 ; CURRENT APPLICATION NUMBER: US/10/346,162  
 ; CURRENT FILING DATE: 2003-01-17  
 ; PRIOR APPLICATION NUMBER: US 09/614,865  
 ; PRIOR FILING DATE: 2000-07-12  
 ; PRIOR APPLICATION NUMBER: US 09/860,688  
 ; PRIOR FILING DATE: 2001-05-21  
 ; NUMBER OF SEQ ID NOS: 268  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 161  
 ; LENGTH: 15  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: synthetic  
 US-10-346-162-161  
 Query Match 39.8%; Score 33; DB 12; Length 15;

Best Local Similarity 50.0%; Pred. No. 1.2e+02; Mismatches 2; Indels 0; Gaps 0;  
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 RPLWIIFSGN 15  
Db 4 RPLWLFEGS 13

RESULT 6  
US-10-210-148-102  
; Sequence 102, Application US/10210148  
; Publication No. US20030171280A1  
; GENERAL INFORMATION:  
; APPLICANT: Soderstrom, Karl Petter  
; TITLE OF INVENTION: Compositions And Methods For Modulation Of Immune Response  
; FILE REFERENCE: TR060002  
; CURRENT APPLICATION NUMBER: US/10/210,148  
; PRIOR FILING DATE: 2002-07-31  
; PRIOR APPLICATION NUMBER: PCT/US02/24311  
; PRIOR FILING DATE: 2002-07-31  
; NUMBER OF SEQ ID NOS: 117  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 102  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-210-148-102

Query Match 37.3%; Score 31; DB 14; Length 9;  
Best Local Similarity 56.7%; Pred. No. 1e+06; Mismatches 0; Indels 0; Gaps 0;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 6 RPLWII 11  
Db 3 RPLWLL 8

RESULT 7  
US-10-383-592A-3  
; Sequence 3, Application US/10383592A  
; Publication No. US20040072146A1  
; GENERAL INFORMATION:  
; APPLICANT: Jacotot, Etienne Danielle Francois  
; APPLICANT: Kroemer, Guido  
; APPLICANT: Roques, Bernard Pierre  
; APPLICANT: Edelman, Lena  
; APPLICANT: Hoebeke, Johan  
; APPLICANT: Brenner-Jan, Catherine  
; APPLICANT: Anne-Sophie, Belzacq  
; TITLE OF INVENTION: MECHANISM OF MITOCHONDRIAL MEMBRANE PERMEABILIZATION BY HIV-1  
; TITLE OF INVENTION: VPR, MIMETICS OF Vpr AND METHODS OF SCREENING ACTIVE MOLECULES  
; TITLE OF INVENTION: HAVING THE ABILITY TO ALTER AND/OR PREVENT AND/OR MIMIC THE  
; TITLE OF INVENTION: INTERACTION OF Vpr WITH ANT  
; FILE REFERENCE: 03495.0265-00000  
; CURRENT APPLICATION NUMBER: US/10/383,592A  
; CURRENT FILING DATE: 2003-03-10  
; PRIOR APPLICATION NUMBER: PCT/EP01/11316  
; PRIOR FILING DATE: 2001-09-11  
; PRIOR APPLICATION NUMBER: 60/232,841  
; PRIOR FILING DATE: 2000-09-15  
; PRIOR APPLICATION NUMBER: 60/231,539  
; PRIOR FILING DATE: 2000-09-11  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 3  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: ANT-1 peptide  
US-10-383-592A-3

Query Match 37.3%; Score 31; DB 12; Length 13;

Best Local Similarity 41.7%; Pred. No. 2.3e+02; Mismatches 5; Indels 0; Gaps 0;  
Matches 5; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 4 RDRPLWIIFSGN 15  
Db 2 RHQQFWRYFAGN 13

RESULT 8  
US-10-059-261-243  
; Sequence 243, Application US/10059261  
; Publication No. US20030077826A1  
; GENERAL INFORMATION:  
; APPLICANT: EDELMAN, LENA  
; APPLICANT: JACOTOT, ETIENNE DANIEL FRANCOIS  
; APPLICANT: BRIAND, JEAN-PAUL  
; TITLE OF INVENTION: CHIMERIC MOLECULES CONTAINING A MODULE ABLE TO TARGET  
; TITLE OF INVENTION: SPECIFIC CELLS AND A MODULE REGULATING THE APOPTOGENIC  
; TITLE OF INVENTION: FUNCTION OF THE PERMEABILITY TRANSITION PORE COMPLEX  
; TITLE OF INVENTION: (PTPC)  
; FILE REFERENCE: 03495.0216  
; CURRENT APPLICATION NUMBER: US/10/059,261  
; CURRENT FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/265,594  
; PRIOR FILING DATE: 2001-02-02  
; NUMBER OF SEQ ID NOS: 325  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 243  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-059-261-243

Query Match 37.3%; Score 31; DB 14; Length 13;  
Best Local Similarity 41.7%; Pred. No. 2.3e+02; Mismatches 5; Indels 0; Gaps 0;  
Matches 5; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 4 RDRPLWIIFSGN 15  
Db 2 RHQQFWRYFAGN 13

RESULT 9  
US-10-059-261-260  
; Sequence 260, Application US/10059261  
; Publication No. US20030077826A1  
; GENERAL INFORMATION:  
; APPLICANT: EDELMAN, LENA  
; APPLICANT: JACOTOT, ETIENNE DANIEL FRANCOIS  
; APPLICANT: BRIAND, JEAN-PAUL  
; TITLE OF INVENTION: CHIMERIC MOLECULES CONTAINING A MODULE ABLE TO TARGET  
; TITLE OF INVENTION: SPECIFIC CELLS AND A MODULE REGULATING THE APOPTOGENIC  
; TITLE OF INVENTION: FUNCTION OF THE PERMEABILITY TRANSITION PORE COMPLEX  
; TITLE OF INVENTION: (PTPC)  
; FILE REFERENCE: 03495.0216  
; CURRENT APPLICATION NUMBER: US/10/059,261  
; CURRENT FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/265,594  
; PRIOR FILING DATE: 2001-02-02  
; NUMBER OF SEQ ID NOS: 325  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 260  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-059-261-260

Query Match 37.3%; Score 31; DB 14; Length 13;  
Best Local Similarity 41.7%; Pred. No. 2.3e+02; Mismatches 5; Indels 0; Gaps 0;  
Matches 5; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 4 RDRPLWIIFSGN 15  
Db 2 RHQQFWRYFAGN 13

Db 2 RHQFWRYFAGN 13

RESULT 10  
US-10-050-704-264  
; Sequence 264, Application US/10050704  
; Publication No. US20030050442A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: 62 Human Secreted Proteins  
; FILE REFERENCE: P2039P1  
; CURRENT APPLICATION NUMBER: US/10/050,704  
; CURRENT FILING DATE: 2002-01-18  
; PRIOR FILING DATE: 09/584,524  
; PRIOR APPLICATION NUMBER: PCT/US00/08979  
; PRIOR FILING DATE: 2000-10-10  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 60/128,693  
; PRIOR FILING DATE: 1999-04-09  
; PRIOR APPLICATION NUMBER: 60/130,991  
; PRIOR FILING DATE: 1999-04-26  
; NUMBER OF SEQ ID NOS: 344  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 264  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-050-704-264

Query Match 37.3%; Score 31; DB 14; Length 14;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 RPLWI 10  
| | | | |  
Db 2 RPLWI 6

RESULT 11  
US-09-765-086-146  
; Sequence 146, Application US/09765086  
; Patent No. US20010046498A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruoslahti, Erkki  
; APPLICANT: Pasqualini, Renata  
; APPLICANT: Wadib, Arap  
; APPLICANT: Bredesen, Dale E.  
; APPLICANT: Ellerby, H. Michael  
; TITLE OF INVENTION: Chimeric Prostate-Homing Peptides With  
; FILE REFERENCE: P-LJ 3844  
; CURRENT APPLICATION NUMBER: US/09/765,086  
; CURRENT FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: US 09/489,582  
; PRIOR FILING DATE: 2000-01-21  
; NUMBER OF SEQ ID NOS: 235  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 146  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic peptide  
US-09-765-086-146

Query Match 36.1%; Score 30; DB 9; Length 7;  
Best Local Similarity 57.1%; Pred. No. 1e+06;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 PLWIFPS 13  
| | | | |  
Db 1 PKWLLFS 7

RESULT 12  
US-10-264-374-146  
; Sequence 146, Application US/10264374  
; Publication No. US20030113320A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruoslahti, Erkki  
; APPLICANT: Pasqualini, Renata  
; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing  
; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using  
; TITLE OF INVENTION: Same  
; FILE REFERENCE: P-LJ 3203  
; CURRENT APPLICATION NUMBER: US/10/264,374  
; CURRENT FILING DATE: 2002-10-03  
; PRIOR FILING DATE: 09/139,802  
; PRIOR FILING DATE: 1998-08-25  
; PRIOR APPLICATION NUMBER: 08/926,914  
; PRIOR FILING DATE: 1997-09-10  
; PRIOR APPLICATION NUMBER: 08/710,067  
; PRIOR FILING DATE: 1996-09-10  
; NUMBER OF SEQ ID NOS: 226  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 146  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
US-10-264-374-146

Query Match 36.1%; Score 30; DB 14; Length 7;  
Best Local Similarity 57.1%; Pred. No. 1e+06;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 PLWIFPS 13  
| | | | |  
Db 1 PKWLLFS 7

RESULT 13  
US-10-375-992-146  
; Sequence 146, Application US/10375992  
; Publication No. US20030152578A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruoslahti, Erkki  
; APPLICANT: Pasqualini, Renata  
; TITLE OF INVENTION: Tumor Homing Molecules, Conjugates  
; TITLE OF INVENTION: Derived Therefrom, and Methods of Using Same  
; NUMBER OF SEQUENCES: 199  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Campbell & Flores  
; STREET: 4370 La Jolla Village Drive, Suite 700  
; CITY: San Diego  
; STATE: California  
; COUNTRY: United States  
; ZIP: 92122  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/375,992  
; FILING DATE: 27-Feb-2003  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/926,914  
; FILING DATE: 10-SEP-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Campbell, Cathryn A.  
; REGISTRATION NUMBER: 31,815  
; REFERENCE/DOCKET NUMBER: P-LJ 2725

```
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 146:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; TOPOLOGY: both
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 146:
US-10-375-992-146

Query Match 36.1%; Score 30; DB 14; Length 7;
Best Local Similarity 57.1%; Pred. No. 1e+06;
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 PLWII 13
DB 1 PKWLLFS 7

RESULT 14
US-10-328-953-39
; Sequence 39, Application US/10328953
; Publication No. US20040071656A1
; GENERAL INFORMATION:
; APPLICANT: Wieland, Felix
; APPLICANT: Hartl, Franz-Ulrich
; TITLE OF INVENTION: Modulation of Heat-Shock-Protein-Based Immunotherapies
; FILE REFERENCE: 11390/46101
; CURRENT APPLICATION NUMBER: US/10/328,953
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: US 60/342,570
; PRIOR FILING DATE: 2001-12-26
; PRIOR APPLICATION NUMBER: US 60/343,884
; PRIOR FILING DATE: 2001-12-28
; PRIOR APPLICATION NUMBER: US 60/372,620
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 60/399,342
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/414,834
; PRIOR FILING DATE: 2002-09-28
; NUMBER OF SEQ ID NOS: 331
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 39
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: peptide in ml3 coliphage
US-10-328-953-39

Query Match 34.9%; Score 29; DB 12; Length 6;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PLWII 11
DB 2 PLWVI 6

RESULT 15
US-10-367-580-309
; Sequence 309, Application US/10367580
; Publication No. US20040071720A1
; GENERAL INFORMATION:
; APPLICANT: Rothman, James E.
; APPLICANT: Hartl, F. Ulrich
; APPLICANT: Hoe, Mee H.
; APPLICANT: Houghton, Allan
; APPLICANT: Takechi, Yoshizumi
; APPLICANT: Mayhew, Mark
; TITLE OF INVENTION: Heat Shock Protein-Based Vaccines and Immunotherapies
```

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;
; FILE REFERENCE: 11746/461061
; CURRENT APPLICATION NUMBER: US/10/367,580
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US 09/794,832
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 09/011,645
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: PCT/US96/13363
; PRIOR FILING DATE: 1996-08-16
; PRIOR APPLICATION NUMBER: US 60/002,490
; PRIOR FILING DATE: 1995-08-18
; PRIOR APPLICATION NUMBER: US 60/002,479
; PRIOR FILING DATE: 1995-08-18
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: WordPerfect 8.0 for Windows
; SEQ ID NO 309
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-367-580-309

Query Match 34.9%; Score 29; DB 12; Length 6;
Best Local Similarity 80.0%; Pred. No. 1e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PLWII 11
DB 2 PLWVI 6

Search completed: April 29, 2004, 10:34:07
Job time : 30.85 secs
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